

# Product List

Version 1.2 valid from 2018/09/30 until 2019/09/30



g.tec

Brain-Computer Interface  
& Neurotechnology

Research Product Catalog for  
Current & Future BCI Applications

# General Terms & Conditions

- Special Warranty: 60 months (= 5 years) for g.USBamp, g.MOBllab+ and g.Hlamp amplifiers!
- All other items except consumables have a 1 year warranty.
- This document is not allowed to be passed on to customers or 3rd parties. This document is not allowed to be published in any way.
- Errors and Omissions excepted! Valid until recalled!

## **g.tec Software**

- Product prices are single place licenses.
- Updates: included for 1 year. Renewal within 1 year: 15 % from the current software price; afterwards 18% (for software update and support).
- 2nd license 50%

## **g.tec Hardware**

- 2 times the same product -5% each 3 times the same product -10% each 4 times the same product -15% each
- Excepted: all kinds of Electrodes, g.CNAPsensor, eyetrackers, g.EYEtracker Ultra, g.VRsys, Notebooks and Computers
- g.tec uses special light weighted, thin and highly flexible cables for active electrodes to provide high comfort and easy laying, especially for multi-channel recording. Such cables are sensitive and need to be treated with special care. Following some basic guidelines will lead to a prolonged life-time of electrodes and cables:
  - never pull on electrodes cables
  - avoid knots in cables
  - avoid heavy bending of electrode cables
  - do not soak cables and electrodes for more than 5 minutes
  - avoid exposition to direct sunlight or chemical agents
  - do not autoclave electrodes
  - make sure that no gel remains on electrodes or cables after cleaning
  - protect connectors from contamination with gel, water or disinfectant
  - always make sure that electrodes, cables and caps are completely dry before storing

## **Warranty/replacement of electrodes**

Electrode life-time highly depends on proper usage, careful treatment and cleaning, and appropriate storage. g.tec will provide warranty replacement of electrodes only if there is no visible physical damage of the parts such as damaged, broken or squeezed cables or isolation, eroded contact pellets or damaged housings or connectors.

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# 01 Biosignal Amplifiers

g.HIamp Multichannel Amplifier

g.USBamp Biosignal Acquisition and Processing

g.MOBIIab+ Wireless Biosignal Acquisition

g.HEADstage Miniaturized Pre-Amplifier

# 01 Biosignal Amplifiers

## g.HIamp amplifier system

Product No.	Product Name	Description
8016	g.HIamp 256ch bundle	<p>bundle offer consisting of: g.HIamp 256 (7003DEV):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; ha els i,u ipolarre ord gs digital triggeri putstos hro izewithe ter al</b> events; integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>MDD-Annex IV class Ila medical device; FDA cleared; type of applied part CF</p> <p>furthermore including: 4x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, trigger cable for g.HIamp for DIG IN 1, g.SCARABEO 256 bundle, 2xg.GAMMAgeISET, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox; (7004, 4x 7005, 7007,0167d, 1100, 7276a, 0101ae, 0102ae, 2x1060)</p>
8017	g.HIamp 144ch bundle	<p>bundle offer consisting of: g.HIamp 144 (7002DEV):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; 8: ha els i,u ipolarre ord gs a eupgradedto ha els ste ; digital</b> trigger inputs to synchronize with external events; integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>MDD-Annex IV class Ila medical device; FDA cleared; type of applied part CF</p> <p>furthermore including: 2x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, g.SCARABEO 128 bundle, g.GAMMAgeISET, trigger cable for g.HIamp for DIG IN 1, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox, (7004, 2x7005, 7007, 0167d,1098, 7276a, 0101ae, 0102ae, 1060)</p>
8018	g.HIamp 80 bundle	<p>bundle offer consisting of: g.HIamp 80 (7001):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; + ha els i,u ipolarre ord gs a eupgradedtoa or ha els ste ;</b> digital trigger inputs to synchronize with external events; integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors, g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>MDD-Annex IV class Ila medical device; FDA cleared; type of applied part CF</p> <p>furthermore including: g.HEADbox - active, g.HEADbox16 - passive, g.SCARABEO 64 bundle, g.Recorder for g.HIamp, trigger cable for g.HIamp DIG IN 1, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox, g.GAMMAgeISET; (7004, 7005, 7007, 1098, 0167d, 7276a, 0101ae, 0102ae, 1060)</p>
8018US	g.HIamp 80ch US bundle	<p>bundle offer consisting of: g.HIamp 80 (7001):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; + ha els i,u ipolarre ord gs digital triggeri putstos hro izewithe ter al</b> events; integrated electrode impedance check; device driver for Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)</p> <p>furthermore including: g.HEADbox - active, g.HEADbox16 - passive, g.SCARABEO 64 bundle, g.Recorder for g.HIamp, trigger cable for g.HIamp DIG IN 1, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox, g.GAMMAgeISET; (7004, 7005, 7007, 1098, 0167d, 7276a, 0101ae, 0102ae, 1060)</p>
8017US	g.HIamp 144ch US bundle	<p>bundle offer consisting of: g.HIamp 144 (7002US):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; + ha els i,u ipolarre ord gs digital triggeri putstos hro izewithe ter al</b> events; integrated electrode impedance check; device driver for Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)</p> <p>furthermore including: 2x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, g.SCARABEO 128 bundle, g.GAMMAgeISET, trigger cable for g.HIamp for DIG IN 1, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox, (7004, 2x7005, 7007, 0167d,1098, 7276a, 0101ae, 0102ae, 1060)</p>
8016US	g.HIamp 256ch US bundle	<p>bundle offer consisting of: g.HIamp 256 (7003US):</p> <p><b>gte's ulti-odal isig ala plifierwithUSBi terfa e; ha els i,u ipolarre ord gs digital triggeri putstos hro izewithe ter al</b> events; integrated electrode impedance check; device driver for Microsoft Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergry, different colors on request; choose your color of science for your personal g.HIamp:</p> <ul style="list-style-type: none"> <li>O saphirblack (475)</li> <li>O calypsored (252)</li> <li>O malachitgreen (205) O mysticblue (A07)</li> </ul> <p>FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)</p> <p>furthermore including: 4x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, trigger cable for g.HIamp for DIG IN 1, g.SCARABEO 256 bundle, 2xg.GAMMAgeISET, g.BSanalyze: Base version, g.BSanalyze: EEG-toolbox; (7004, 4x 7005, 7007,0167d, 1100, 7276a, 0101ae, 0102ae, 2x1060)</p>

7001	g.HIamp 80, silvergrey, color code: A08	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) MDD-Annex IV class IIa medical device; FDA cleared; type of applied part CF
7001US	g.HIamp 80 US	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)
7002	g.HIamp 144, silvergrey, color code: A08	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); g.Power (power supply, 7004), including g.HIamp USB cable (7282); (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) MDD-Annex IV class IIa medical device; FDA cleared; type of applied part CF
7002US	g.HIamp 144 US	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)
7003	g.HIamp 256, silvergrey, color code: A08	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) MDD-Annex IV class IIa medical device; FDA cleared; type of applied part CF
7003US	g.HIamp 256 US	g.te's ultra-modal signal amplifier with USB interface, 8-channel bipolar digital trigger inputs, high resolution, integrated electrode impedance check; device driver for Microsoft Windows 64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HA-XXXX.XX.XX) standard color: silvergrey, different colors on request; choose your color of science for your personal g.HIamp: O saphirblack (475) O calypsored (252) O malachitgreen (205) O mysticblue (A07) FDA cleared medical device for US market (K123255, device listing number: D209821, facility registration number: 3005713796)
7005	g.HEADbox - active	electrode interface box for 64 active channels, for usage with g.HIamp; works with g.tec 2 pin safety connector active electrodes; g.INTERFACEHEADbox2HIamp (7008); g.HEADboxPOWER (7009)
7006A	g.HEADbox - passive	electrode interface box for 64 passive channels, for usage with g.HIamp; works with 1,5 mm medical safety connector passive electrodes; cable (g.INTERFACEHEADbox2HIamp) included
7006B	g.HEADbox - passive	electrode interface box for 64 passive channels, for usage with g.HIamp or g.USBamp for synchronized recordings of g.tec systems and clinical systems; works with 1,5 mm medical safety connector passive electrodes; 2 grounds (not internally connected); cable (g.INTERFACEHEADbox2HIamp) included
7006T	g.HEADbox - TMS	64 channel electrode connector box for EEG recordings with TMS stimulation, for usage with g.HIamp and g.HIamp-RESEARCH; works with 1,5 mm medical safety connector passive electrodes; cable (g.INTERFACEHEADbox2HIamp) included
7007	g.HEADbox16 - passive	electrode interface box for 16 passive channels, for usage with g.HIamp; works with 1,5 mm medical safety connector electrodes; g.INTERFACEHEADbox2HIamp (7008)
7008	g.INTERFACEHEADbox2HIamp	interface cable g.HEADbox to g.HIamp with multi pole connector, approx. 165 cm lead
7008S	g.INTERFACEHEADbox2HIamp, short version	interface cable g.HEADbox to g.HIamp with multi pole connector, approx. 50 cm lead

## g.HIamp research amplifier system

Product No.	Product Name	Description
8018R	g.HIamp-RESEARCH, 80ch bundle	bundle offer consisting of: g.HIamp-RESEARCH, 80 channel (7001R) multimodal 80-channel acquisition device for measuring and recording low voltage electrical body signals via USB; integrated impedance check; device driver for Microsoft Windows; internal sample rate 38400Hz per channel; highest signal-to-noise ratio; multi-pole connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HR-XXXX.XX.XX), color: orange; Not intended for usage as medical device; for research only; furthermore including: g.HEADbox - active, g.HEADbox16 - passive, g.SCARABEO 64 bundle, g.Recorder for g.HIamp, trigger cable for g.HIamp DIG IN 1, (7005, 7007, 1098, 0167d, 7276a)
8017R	g.HIamp-RESEARCH 144ch bundle	bundle offer consisting of: g.HIamp-RESEARCH 144 channels (7002R) multimodal 144-channel acquisition device for measuring and recording low voltage electrical body signals via USB; integrated impedance check; device driver for Microsoft Windows; internal sample rate 38400Hz per channel; highest signal-to-noise ratio; multi-pole connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HR-XXXX.XX.XX), color: orange Not intended for usage as medical device; for research only; furthermore including: 2x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, g.SCARABEO 128 bundle, trigger cable for g.HIamp for DIG IN 1 (2x7005, 7007, 0167d,1098, 7276a)

8016R	g.HIamp-RESEARCH 256ch bundle	bundle offer consisting of: g.HIamp-RESEARCH 256 channel (7003R), multimodal 256-channel acquisition device for measuring and recording low voltage electrical body signals via USB; integrated impedance check; device driver for Microsoft Windows; internal sample rate 38400Hz per channel; highest signal-to-noise ratio; multi-pole connectors; g.HIamp water-proof heavy duty case (7051); including g.HIamp USB cable (7282); g.Power (power supply, 7004) (SN: HR-XXXX.XX.XX), color: orange Not intended for usage as medical device; for research only; furthermore including: 4x g.HEADbox - active, g.HEADbox16 - passive, g.Recorder for g.HIamp, trigger cable for g.HIamp for DIG IN 1, g.SCARABEO 256 bundle (4x 7005, 7007,0167d, 1100, 7276a)
7005	g.HEADbox - active	electrode interface box for 64 active channels, for usage with g.HIamp; works with g.tec 2 pin safety connector active electrodes; g.INTERfaceHEADbox2HIamp (7008); g.HEADboxPOWER (7009)
7006A	g.HEADbox - passive	electrode interface box for 64 passive channels, for usage with g.HIamp; works with 1,5 mm medical safety connector passive electrodes; cable (g.INTERfaceHEADbox2HIamp) included
7006T	g.HEADbox - TMS	64 channel electrode connector box for EEG recordings with TMS stimulation, for usage with g.HIamp and g.HIamp-RESEARCH; works with 1,5 mm medical safety connector passive electrodes; cable (g.INTERfaceHEADbox2HIamp) included
7007	g.HEADbox16 - passive	electrode interface box for 16 passive channels, for usage with g.HIamp; works with 1,5 mm medical safety connector electrodes; g.INTERfaceHEADbox2HIamp (7008)
7008	g.INTERfaceHEADbox2HIamp	interface cable g.HEADbox to g.HIamp with mult pole connector, approx. 165 cm lead
7008S	g.INTERfaceHEADbox2HIamp, short version	interface cable g.HEADbox to g.HIamp with mult pole connector, approx. 50 cm lead

## Available software components

Product No.	Product Name	Description
0167D	g.Recorder for g.HIamp	fully GUI-based (graphical user interface); comfortable biosignal visualization and storage; full control of the amplifier and header; single place licence; prerequisite OS English Win 64 (Windows 7)
0167EXT	g.Recorder Extension Pack	additional features for g.Recorder software: real-time EP (evoked potential) calculation and visualization, video recording, data review mode, feature analysis: HR, HRV, CSA, CFM; dongle update required
0260D	g.HIamp SIMULINK HIGH-SPEED ONLINE Processing	SIMULINK driver and blockset modules; highly optimized hardware-interrupt controlled device driver; allowing data processing with the maximum system speed; supports real-time processing of the biosignal data; calibration block; impedance measurement block; signal analysis blocks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Blockset and DSP System Toolbox
0111	g.RTanalyze	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0111AE	g.RTanalyze [education price]	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0154	g.CSP recoverIX extension	extends the g.CSP Simulink model by the activation of g.Estim FES in the desired mode PRACTICE or REHABILITATION (EEG controlled) requires g.tec Highspeed On-line Processing, MATLAB, Simulink and Signal Processing Toolbox.
0291A	g.EYEtracking Interface for SIMULINK for Tobii X2-60 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii X2 - 60 eye-tracker
0291B	g.EYEtracking Interface for SIMULINK for Tobii EyeX eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii EyeX eye-tracker
0291C	g.EYEtracking Interface for SIMULINK for Tobii Pro Glasses 2 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii Pro Glasses 2 eye-tracker
0291D	g.EYEtracking Interface for SIMULINK for EyeLink 1000 plus eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: EyeLink 1000 plus eye-tracker
0144D	g.VIBROTACTILEp300 model for g.HIamp	2-, 3- and 8-channel vibrotactile P300 based BCI control; prerequisite: SIMULINK HIGH SPEED ONLINE Processing (0260D), g.STIMbox (1302), g.VIBROstim (1305), g.BSanalyze Base, EEG and Classify Toolbox (0153)
0146	hyperscanning BCI model	multi-user P300 and Motor Imagery based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0147	hybrid BCI model	SSVEP and P300 hybrid based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0148	ACTOR BCI - Application ConTrol and Online Reconfiguration (ACTOR) protocol	Simulink model with matrix interface that can be remotely updated or configured with configuration files; sends commands to external devices; prerequisite SIMULINK HIGH-SPEED ONLINE Processing
0149	EMG/EOG/mouse control	Simulink model to control the matrix interface with EMG, EOG or mouse; prerequisite SIMULINK HIGH SPEED ONLINE processing
0139D	g.HIamp P300 model	8-channel P300 based speller; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260d), g.BSanalyze Base, EEG and Classify Toolbox (0153)
0140D	g.HIamp Ping Pong model	2 subject and 4-channel motor imagery based game; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260d), g.BSanalyze Base, EEG and Classify Toolbox
0141D	g.HIamp SSVEP BCI model	8 channel SSVEP based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing for g.HIamp, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox
1303D	SSVEP model and hardware for g.HIamp	bundle for SSVEP based robot control; consists of g.HIamp SSVEP BCI model, g.SSVEPbox for stimulation, g.STIMbox to run g.SSVEPbox; prerequisite SIMULINK HIGH SPEED ONLINE processing for g.HIamp, g.BSanalyze Base, EEG & Classify Toolboxes, g.RTanalyze; (0141d, 1300, 1302); required hardware (not included): Sphero sprk+
0136	g.BCI CVEP model	code-based BCI model; BCI systems can also use pseudo-random stimulation sequences on a screen (code-based BCI). Such a system can be used to control a robotic device. In this case, the BCI controls were overlaid on the video that showed a robot performing certain tasks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox
0137	g.BCI SOCI model	The SOCI system (Screen Overlay Control Interface module) can be used especially for virtual reality (VR) applications and remote control of devices to provide the standard user interface by directly embedding the BCI stimuli. The SOCI can be embedded in host applications to directly interact with BCI controls inside the displayed scene. It generates CVEP or SSVEP stimuli and supports single symbol and row column for P300 stimulation. single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0264	g.UDPinterface	data exchange with network connection between Simulink/MATLAB on different PCs (eg. BCI, VR, XVR, ...); single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0311	g.DISTRIBUTEDeeg	allows to record biosignal data from different distributed PCs in the network and transmit the recorded data to a central evaluation/data storage PC; data synchronisation using the OSC protocol for distributed systems and UDP network interface; synchronicity of +/- 2 samples at a sampling rate of 256 Hz; allows to record evoked potentials in a distributed system; prerequisite: MATLAB for OS English Win 64 ; SIMULINK; Signal Processing Blockset; DSP System Toolbox
0142B	g.HIamp common spatial patterns	Simulink model to calculate CSPs for 2 / 3 classes, tutorial; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260d), g.RTanalyze (0111), g.BSanalyze Base, EEG and Classify Toolbox (0101, 0102, 0105)
0157	Multi device toolbox	use multiple g.HIamps, g.USBamps or g.Nautilus in one single Simulink model; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260E)
0133D	g.PHYSIOobserver for g.HIamp	Simulink model for extraction and classification of physiological features with respect to arbitrary classes of user tasks and exercises, tutorial; prerequisite: SIMULINK HIGHSPEED ONLINE processing for g.HIamp; g.RTanalyze; g.BSanalyze Base, Classify Toolbox; MATLAB for OS English Win 64; SIMULINK
6300	g.NEEDaccess device service	g.tec general device data access interface
6305	g.NEEDaccess API	g.tec general device data access interface; application programming interface
6306	g.NEEDaccess MATLAB API	g.tec general device data access interface; application programming interface; works with g.Nautilus, g.USBamp and g.HIamp type amplifiers
6307	g.NEEDaccess Python API	g.tec general device data access interface; application programming interface for Python; works with g.Nautilus, g.USBamp and g.HIamp type amplifiers; required: g.NEEDaccess server
6310	g.NEEDaccess bundle	complete g.NEEDaccess API bundle, including mini-pc to run the device server
8021	g.HIamp Plugin for DEWESoft X	plugin to use the g.HIamp multi-channel amplifier inside a DEWESoft data acquisition system as an additional device. The data acquired with g.HIamp are stored together with all other signals acquired with the DEWESoft system in a DEWESoft data file.

## Possible accessories

Product No.	Product Name	Description
0150	ASSR, BAEP, AEP stimulation unit	setup for ASSR, BAEP, AEP; consists of audio trigger box; professional InEar headphones; audio cable
8040	cortiQ jumper cable	shortcut cable for 2 channels; side A stackable touch proof connector, side B single slim touch proof connector; length: approx. 500 mm; color grey
0223	shortcut jumper cable for 2 channels	shortcut cable for 2 channels medical safety connector; can be daisy chained
0226B	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: blue
0226R	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: red
0226Y	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: yellow
0218	shortcut cables for 16 channels	for 15 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables
0224B	shortcut cables for 4 channels	for 3 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables; color: blue
0224Y	shortcut cables for 4 channels	for 3 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables; color: yellow
7225	g.Hlomp cable for short-cut function (HOLD)	3 m cable with 3 pin screw terminal
7282	USB cable for g.Hlomp/g.Estim	connection of g.Hlomp/g.Estim to USB-port of PC/notebook
7277	adapter cable for trigger cable	DSUB25 female to 8xBNC (including 8xBNC to CINCH adapter)
7240_2	audio trigger cable for g.Hlomp	DIG IN 1 of g.Hlomp HA-xxxx.xx.xx to mindBEAGLE audio trigger adapter box
7276A	trigger cable for g.Hlomp for DIG IN 1	trigger cable for g.Hlomp for DIG IN 1 (8 digital lines from DIG IN 1 g.Hlomp HA-xxxx.xx.xx to D_Sub 25 male (PC-parallel-port pinout), 3 m)
7276B	trigger cable for g.Hlomp for DIG IN 2	trigger cable for g.Hlomp for DIG IN 2 (8 digital lines from DIG IN 1 g.Hlomp HA-xxxx.xx.xx to D_Sub 25 male (PC-parallel-port pinout), 3 m)
0307C	external trigger button HA	external trigger button for g.Hlomp, connected to PIN 1 of DI 1; 2,5 m cable;
7051	g.Hlomp water-proof heavy duty case	water-proof heavy duty case for g.Hlomp equipment
3012	medical isolation transformer	600 VA, REO-MED, 6 outputs
10040	Medical device inspection	recurring medical device inspection (EN 62353: 2008) for g.Hlomp, g.USBamp

## Complete solutions

Product No.	Product Name	Description
8006	g.Hlomp package BCI	upgrade for BCI research consisting of: g.Hlomp SIMULINK HIGH-SPEED ONLINE Processing Software (drivers and blocksets for SIMULINK); g.Hlomp P300 model; g.Hlomp Ping Pong model; g.Hlomp SSVEP model; g.Hlomp common spatial patterns; g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); bundle offer (0260d, 0139d, 0140d, 0141d, 0142b, 0111, 0101, 0102, 0105)
8006AE	g.Hlomp package BCI [education]	upgrade for BCI research consisting of: g.Hlomp SIMULINK HIGH-SPEED ONLINE Processing Software (drivers and blocksets for SIMULINK); g.Hlomp P300 model; g.Hlomp Ping Pong model; g.Hlomp SSVEP model; g.Hlomp common spatial patterns; g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); bundle offer (0260d, 0139d, 0140d, 0141d, 0142b, 0111, 0101, 0102, 0105)
8020	g.Hlomp AEP Setup	complete setup for auditory stimulation experiments with g.Hlomp; consisting of: ASSR, BAEP, AEP stimulation unit; audio trigger cable for g.Hlomp; Lecture 4: Evoked potentials; bundle offer (0150, 7240_2, 4053)
8030	RehaBCI for g.Hlomp	o consisting of: g.Hlomp-RESEARCH 80; g.SCARABEO 64 bundle; g.HEADbox - active; g.Hlomp SIMULINK HIGH-SPEED ONLINE Processing; g.RTanalyze [education price]; g.BSanalyze [education price]: Base Version, EEG-toolbox, Classify-toolbox; g.Hlomp common spatial patterns; Unity toolbox; g.UDP interface; business PC; bundle offer (7001R, 1098, 7005, 0260D, 0111, 0101, 0102, 0105, 0142b, 0303, 0264, 3001A)
8030AE	RehaBCI for g.Hlomp [education]	o consisting of: g.Hlomp-RESEARCH 80; g.SCARABEO 64 bundle; g.HEADbox - active; g.Hlomp SIMULINK HIGH-SPEED ONLINE Processing; g.RTanalyze [education price]; g.BSanalyze [education price]: Base Version, EEG-toolbox, Classify-toolbox; g.Hlomp common spatial patterns; Unity toolbox; g.UDP interface; business PC; bundle offer (7001R, 1098, 7005, 0260D, 0111AE, 0101AE, 0102AE, 0105AE, 0142b, 0303, 0264, 3001A)

## g.USBamp amplifier system

Product No.	Product Name	Description
0216	g.USBamp, color silver	multi-modal biosignal amplifier with USB interface; 16 channels; 4 separated grounds, which guarantee no interference between the signals; bi-, unipolar recordings; can be assembled to build multi-channel systems; integrated electrode impedance check; integrated calibration unit; device driver for Microsoft Windows; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; standard 1.5 mm medical safety connectors; including; g.Power (power supply, 0247), g.USBamp water-proof heavy duty case (5051), g.USBamp USB cable (0282); version 3.0 (SN: UB-XXXX.XX.XX); standard color: silver, different colors on request, choose your color of science for your personal g.USBamp: O red (RAL3003) O red lilac (RAL4001) O gentian blue (RAL5010) O reseda green (RAL6011) O inky black (RAL9005) MDD-Annex IV class IIa medical device; FDA cleared; type of applied part CF, type of applied part BF if several amplifiers are connected
0216R	g.USBamp-RESEARCH, color orange	multi-modal biosignal amplifier with USB interface; 16 channels; 4 separated grounds, which guarantee no interference between the signals; bi-, unipolar recordings; can be assembled to build multi-channel systems; integrated electrode impedance check; integrated calibration unit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; standard 1.5 mm medical safety connectors; including; g.Power (power supply, 0247), g.USBamp water-proof heavy duty case (5051), g.USBamp USB cable (0282); version 3.0 (SN: UR-XXXX.XX.XX); not intended for usage as medical device, for research only; color: orange
0216US	g.USBamp, color silver	multi-modal biosignal amplifier with USB interface; 16 channels; 4 separated grounds, which guarantee no interference between the signals; bi-, unipolar recordings; can be assembled to build multi-channel systems; integrated electrode impedance check; integrated calibration unit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; standard 1.5 mm medical safety connectors; including; g.Power (power supply, 0247), g.USBamp water-proof heavy duty case (5051), g.USBamp USB cable (0282); version 3.0 (SN: UB-XXXX.XX.XX); standard color: silver, different colors on request, choose your color of science for your personal g.USBamp: O red (RAL3003) O red lilac (RAL4001) O gentian blue (RAL5010) O reseda green (RAL6011) O inky black (RAL9005) FDA cleared medical device (K060803, device listing number: E419700, facility registration number: 3005713796)
0247	g.Power - g.USBamp	Medical mains power supply according to IEC 60601-1 for g.USBamp; 110/230 V; 50/60 Hz power line; single 5 V supply

## Available software components

Product No.	Product Name	Description
0167A	g.Recorder for g.USBamp	fully GUI-based (graphical user interface); comfortable biosignal visualization and storage; full control of the amplifier and header; single place licence; prerequisite OS English Win 64 (Windows 7)
0167EXT	g.Recorder Extension Pack	additional features for g.Recorder software: real-time EP (evoked potential) calculation and visualization, video recording, data review mode, feature analysis: HR, HRV, CSA, CFM; dongle update required
0260A	g.USBamp SIMULINK HIGH-SPEED ONLINE Processing	SIMULINK driver and blockset modules; highly optimized hardware-interrupt controlled device driver; allowing data processing with the maximum system speed; supports real-time processing of the biosignal data; calibration block; impedance measurement block; signal analysis blocks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Blockset and DSP System Toolbox
0111	g.RTanalyze	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place license; prerequisite MATLAB for OS English Win 64, SIMULINK
0111AE	g.RTanalyze [education price]	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place license; prerequisite MATLAB for OS English Win 64, SIMULINK
0154	g.CSP recoveriX extension	extends the g.CSP Simulink model by the activation of g.Estim FES in the desired mode PRACTICE or REHABILITATION (EEG controlled) requires g.tec Highspeed On-line Processing, MATLAB, Simulink and Signal Processing Toolbox.



0291A	g.EYEtracking Interface for SIMULINK for Tobii X2-60 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii X2 - 60 eye-tracker
0291B	g.EYEtracking Interface for SIMULINK for Tobii EyeX eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii EyeX eye-tracker
0291C	g.EYEtracking Interface for SIMULINK for Tobii Pro Glasses 2 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii Pro Glasses 2 eye-tracker
0291D	g.EYEtracking Interface for SIMULINK for EyeLink 1000 plus eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: EyeLink 1000 plus eye-tracker
0144A	g.VIBROTACTILEp300 model for g.USBamp	2-, 3- and 8-channel vibrotactile P300 based BCI control; prerequisite: SIMULINK HIGH SPEED ONLINE Processing (0260A), g.STIMbox (1302), g.VIBROstim (1305), g.Bsanalyze Base, EEG and Classify Toolbox (0153)
0146	hyperscanning BCI model	multi-user P300 and Motor Imagery based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0147	hybrid BCI model	SSVEP and P300 hybrid based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0148	ACTOR BCI - Application Control and Online Reconfiguration (ACTOR) protocol	Simulink model with matrix interface that can be remotely updated or configured with configuration files; sends commands to external devices; prerequisite SIMULINK HIGH-SPEED ONLINE Processing
0149	EMG/EOG/mouse control	Simulink model to control the matrix interface with EMG, EOG or mouse; prerequisite SIMULINK HIGH SPEED ONLINE processing
0139A	g.USBamp P300 model	8-channel P300 based speller; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260a), g.BSanalyze Base, EEG and Classify Toolbox (0153)
0140A	g.USBamp Ping Pong model	2 subject and 4-channel motor imagery based game; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260a), g.BSanalyze Base, EEG and Classify Toolbox
0141A	g.USBamp SSVEP BCI model	8 channel SSVEP based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing for g.USBamp, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox
1303A	SSVEP model and hardware for g.USBamp	bundle for SSVEP based robot control; consists of g.USBamp SSVEP BCI model, g.SSVEPbox for stimulation, g.STIMbox to run g.SSVEPbox; prerequisite SIMULINK HIGH SPEED ONLINE processing for g.USBamp, g.BSanalyze Base, EEG & Classify Toolboxes, g.RTanalyze; (0141a, 1300, 1302); required hardware (not included): Sphero sprk+
0136	g.BCI CVEP model	code-based BCI model; BCI systems can also use pseudo-random stimulation sequences on a screen (code-based BCI). Such a system can be used to control a robotic device. In this case, the BCI controls were overlaid on the video that showed a robot performing certain tasks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox
0137	g.BCI SOCI model	The SOCI system (Screen Overlay Control Interface module) can be used especially for virtual reality (VR) applications and remote control of devices to provide the standard user interface by directly embedding the BCI stimuli. The SOCI can be embedded in host applications to directly interact with BCI controls inside the displayed scene. It generates CVEP or SSVEP stimuli and supports single symbol and row column for P300 stimulation. single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0264	g.UDPInterface	data exchange with network connection between Simulink/MATLAB on different PCs (eg. BCI, VR, XVR, ...); single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0311	g.DISTRIBUTEDDeeg	allows to record biosignal data from different distributed PCs in the network and transmit the recorded data to a central evaluation/data storage PC; data synchronisation using the OSC protocol for distributed systems and UDP network interface; synchronicity of +/- 2 samples at a sampling rate of 256 Hz; allows to record evoked potentials in a distributed system; prerequisite: MATLAB for OS English Win 64 ; SIMULINK; Signal Processing Blockset; DSP System Toolbox
0142	g.USBamp common spatial patterns	Simulink model to calculate CSPs for 2 / 3 classes, tutorial; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260a), g.BSanalyze Base, EEG and Classify Toolbox (0153)
157	Multi device toolbox	use multiple g.Hiamps, g.USBamps or g.Nautilus in one single Simulink model; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260E)
0133A	g.PHYSIOobserver for g.USBamp	Simulink model for extraction and classification of physiological features with respect to arbitrary classes of user tasks and exercises, tutorial; prerequisite: SIMULINK HIGHSPEED ONLINE processing for g.USBamp; g.RTanalyze; g.BSanalyze Base, Classify Toolbox
6300	g.NEEDaccess device service	g.tec general device data access interface
6305	g.NEEDaccess API	g.tec general device data access interface; application programming interface
6306	g.NEEDaccess MATLAB API	g.tec general device data access interface; application programming interface; works with g.Nautilus, g.USBamp and g.Hlamp type amplifiers
6310	g.NEEDaccess bundle	complete g.NEEDaccess API bundle, including mini-pc to run the device server

## Possible accessories

Product No.	Product Name	Description
0150	ASSR, BAEP, AEP stimulation unit	setup for ASSR, BAEP, AEP; consists of audio trigger box; professional InEar headphones; audio cable
0281A	g.USBamp synch cable (dual) SET	synchronization set for 2 g.USBamps consisting of: g.USBamp synch cable (dual), shortcut jumper cable blue, shortcut jumper cable yellow, (0281, 0226B, 0226Y)
0219A	ElectroCap-adapter cable to DSUB25 male for g.USBamp	adapter cable for 25 pin SUB-D 16 channels Electrocap for g.USBamp; standard: A: Screening
0223	shortcut jumper cable for 2 channels	shortcut cable for 2 channels medical safety connector; can be daisy chained
0226B	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: blue
0226R	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: red
0226Y	shortcut jumper cable for 2 channels, extra long	shortcut cable for 2 channels; medical safety connector; length 500 mm; can be daisy chained; color: yellow
0218	shortcut cables for 16 channels	for 15 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables
0224B	shortcut cables for 4 channels	for 3 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables; color: blue
0224Y	shortcut cables for 4 channels	for 3 medical safety sockets of 1.5 mm + 1 jumper connector; highly flexible cables; color: yellow
0225	g.USBamp cable for short-cut function (SC)	3 m cable with 3 pin screw terminal
0251A	g.ACCUpack for g.USBamp	rechargeable battery pack, 12V and 5V, 4.5 Ah, for g.USBamp + adapter cable (0253a)
0252	charging device for g.ACCUpack	automatic charging device for battery pack g.ACCUpack (0251a/c), 110/230 V; 50/60 Hz power line, regional adapter for EU, USA, UK, CN/AUS
0253A	adapter cable g.ACCUpack/g.USBamp	adapter cable g.ACCUpack to g.USBamp, 2m
0282	g.USBamp USB cable	connection of g.USBamp to USB-port of PC/notebook
0284	USB Hub	with 4 connector
0277	trigger cable for g.USBamp UB	DIO break-out cable to DSUB15-female; can be used e.g. for 4 trigger channels, from g.TRIGbox (D-sub 15), 3 m for g.USBamp 3.0 (UB-xxxx.xx.xx)
0240_2	audio trigger cable for g.USBamp UB	DIG I/O of g.USBamp UB-xxxx.xx.xx to mindBEAGLE audio trigger adapter box
0278	adapter cable for trigger cable	DSUB15-male to 6x BNC-male adapter (including 6x BNC to CINCH adapter)
0275	trigger cable for g.USBamp UB	with open leads, for DIG I/O Trigger for UB-xxxx.xx.xx
0276A	trigger cable for g.USBamp UB	DIG I/O 1 and DIG I/O 2 of g.USBamp UB-xxxx.xx.xx to D Sub 25 male (parallel port), 3m
0307B	external trigger button UB	external trigger button for g.USBamp UB, connected to PIN 1 of DIO1/2; 2,5 m cable; 7 pin connector
5051	g.USBamp water-proof heavy duty case	water-proof heavy duty case for g.USBamp equipment
3012	medical isolation transformer	600 VA, REO-MED, 6 outputs
10040	Medical device inspection	recurring medical device inspection (EN 62353: 2008) for g.Hlamp, g.USBamp or g.BSamp

## g.GAMMABox and connectors to the amplifiers

Product No.	Product Name	Description
1019A	Active Electrode Driver Box Connector for g.USBamp	connector cable between the g.USBamp (system connector) and the g.GAMMABox/g.SAHARABox; 25 cm lead

## Connection cables to clinical systems

Product No.	Product Name	Description
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0255	Connection cable XLTEK 32 channel to 2 g.USBamp	Connection cable male D-SUB 37pin to 2 g.USBamp; GND and REF channels are not internally connected to allow flexible measurement setup; separate GND and REF cables included, connection length 1.75 m; special wiring to be confirmed at order
0256	Connection box Stellate eAmp 64 channel to 4 g.USBamp	Connection box VHDCI connector to 4 g.USBamp; GND and REF channels are not internally connected to allow flexible measurement setup; separate GND and REF cables included, connection length 1.75 m; special wiring to be confirmed at order
0257	Special 64 channel break out and connection box Nihon Kohden Neurofax 64 channel to 4 g.USBamp	64 channel special breakout box and 64 channel connection box; g.tec-65 pin connector to 4 g.USBamp; GND and REF channels are not internally connected to allow flexible measurement setup; separate GND and REF cables included, connection length 1.75 m; special wiring to be confirmed at order
0258	Connection cable from 64 channel breakout box to Nihon Kohden Neurofax A connector	Nihon-Kohden-80 pin connector to g.tec-65 pin connector; connection length 10 m
0259	Connection cable from 64 channel breakout box to Nihon Kohden Neurofax B or C connector	Nihon-Kohden-68pin connector to g.tec-65pin connector; connection length 10m

## Complete solutions

Product No.	Product Name	Description
6023	g.BCIsys16USB: complete BCI-research system, PC included	16 channels; consisting of: g.USBamp (biosignal amplifier, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); bundle offer (0216+0260+0111ae+0101ae+0102ae+0105ae+3001a+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6023AE	g.BCIsys16USB: complete BCI-research system, PC included [education price]	16 channels; consisting of: g.USBamp (biosignal amplifier, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); bundle offer (0216+0260+0111ae+0101ae+0102ae+0105ae+3001a+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6029	g.BCIsys16USB, PC included ERD, SSVEP, P300	16 channels; consisting of: g.USBamp (biosignal amplifier, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.USBamp P300 model; g.USBamp Ping Pong model; g.USBamp SSVEP model and hardware; g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); bundle offer (6023+0139a+0140a+1303a); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6029AE	g.BCIsys16USB, PC included ERD, SSVEP, P300 [education price]	16 channels; consisting of: g.USBamp (biosignal amplifier, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.USBamp P300 model; g.USBamp Ping Pong model; g.USBamp SSVEP model and hardware; g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); bundle offer (6023ae+0139a+0140a+1303a); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6024	g.BCIsys32USB: complete BCI-research system, PC included	32 channels; consisting of: g.USBamp (biosignal amplifier, double unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; bundle offer (2x0216+0260A+0111+0101+0102+0105+3001A+0281A+0284+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6024AE	g.BCIsys32USB: complete BCI-research system, PC included [education price]	32 channels; consisting of: g.USBamp (biosignal amplifier, double unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cable; bundle offer (2x0216+0260A+0111AE+0101AE+0102AE+0105AE+3001A+0281A+0284+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6031	g.BCIsys32USB ERD, SSVEP, P300, PC included	32 channels; consisting of: g.USBamp (biosignal amplifier, double unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.USBamp P300 model; g.USBamp Ping Pong model; g.USBamp SSVEP model and hardware; g.USBamp common spatial patterns; g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (6024+0139a+0140a+0142+1303a); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6031AE	g.BCIsys32USB ERD, SSVEP, P300, PC included [education price]	32 channels; consisting of: g.USBamp (biosignal amplifier, double unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.USBamp P300 model; g.USBamp Ping Pong model; g.USBamp SSVEP model and hardware; g.USBamp common spatial patterns; g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (6024AE+0139a+0140a+0142+1303a); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6038	g.USBamp ECG bundle	complete setup for ECG research; consisting of: 1x g.USBamp, CE-certified and FDA listed biosignal amplifier; 1x g.Power - g.USBamp, medical mains power supply; 1x g.GAMMAbox; 1x g.USBmpGAMMAconnector; 16x g.GAMMAclip, active clip electrode; 2x g.GAMMAclipGND, active ground electrode; 2x g.GAMMAclipREF, active reference electrode; 2x disposable Ag/AgCl electrodes; 1x g.USBamp Simulink High Speed Online Processing, single place license; g.BSanalyze Base, ECG Toolbox; Lecture ECG, for ECG teaching (1x0216+1x1016A+1x1019A+16x1024+2x1025+2x1047+1x1032+1x0260A+1x0101+1x0104A+1x4 052+1x3060)
6038AE	g.USBamp ECG bundle	complete setup for ECG research; consisting of: 1x g.USBamp, CE-certified and FDA listed biosignal amplifier; 1x g.Power - g.USBamp, medical mains power supply; 1x g.GAMMAbox; 1x g.USBmpGAMMAconnector; 16x g.GAMMAclip, active clip electrode; 2x g.GAMMAclipGND, active ground electrode; 2x g.GAMMAclipREF, active reference electrode; 2x disposable Ag/AgCl electrodes; 1x g.USBamp Simulink High Speed Online Processing, single place license; g.BSanalyze Base, ECG Toolbox, educational edition; Lecture ECG, for ECG teaching (1x0216+1x1016A+1x1019A+16x1024+2x1025+2x1047+2x1032+1x0260A+1x0101AE+1x0104AE +1x4052+1x3060)
6039	g.USBamp EMG bundle	complete setup for EMG research; consisting of: 1x g.USBamp, CE-certified and FDA listed biosignal amplifier; 1x g.Power - g.USBamp, medical mains power supply; 1x g.GAMMAbox; 1x g.USBmpGAMMAconnector; 16x g.GAMMAclip, active clip electrode; 2x g.GAMMAclipGND, active ground electrode; 2x g.GAMMAclipREF, active reference electrode; 2x disposable Ag/AgCl electrodes; 1x g.USBamp Simulink High Speed Online Processing, single place license; g.BSanalyze Base, EEG and Classify Toolbox (1x0216+1x1016A+1x1019A+16x1024+2x1025+2x1047+1x1032+1x0260A+1x0153+1x3060)
6039AE	g.USBamp EMG bundle	complete setup for EMG research; consisting of: 1x g.USBamp, CE-certified and FDA listed biosignal amplifier; 1x g.Power - g.USBamp, medical mains power supply; 1x g.GAMMAbox; 1x g.USBmpGAMMAconnector; 16x g.GAMMAclip, active clip electrode; 2x g.GAMMAclipGND, active ground electrode; 2x g.GAMMAclipREF, active reference electrode; 2x disposable Ag/AgCl electrodes; 1x g.USBamp Simulink High Speed Online Processing, single place license; g.BSanalyze Base, EEG and Classify Toolbox, educational edition (1x0216+1x1016A+1x1019A+16x1024+2x1025+2x1047+1x1032+1x0260A+1x0153AE+1x3060)

6021	g.BCIsys64USB: complete BCI-research system, PC included	64 channels; consisting of: g.USBamp (biosignal amplifier, quadruple unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (4x0216+0260A+0111+0101+0102+0105+3001A+0283A+0284+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6021AE	g.BCIsys64USB: complete BCI-research system, PC included [education price]	64 channels; consisting of: g.USBamp (biosignal amplifier, quadruple unit, CE-certified, FDA listed, with power supply); SIMULINK HIGH-SPEED ONLINE Processing software (drivers and blockset for SIMULINK); g.RTanalyze (real-time software for biosignal parameter extraction); g.BSanalyze (base version + EEG-toolbox + Classify-toolbox for offline data processing, analysis and classification); fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (4x0216+0260A+0111ae+0101ae+0102ae+0105ae+3001a+0283A+0284+3060); prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6070	g.EEG16sys, complete portable EEG recording/analysis system, NB included	consisting of: g.USBamp (16 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business notebook (with software ready-to-go installation); bundle offer (0216+0167a+0101+0102+3003+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox
6070AE	g.EEG16sys, complete portable EEG recording/analysis system, NB included [education price]	consisting of: g.USBamp (16 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business notebook (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (0216+0167a+0101ae+0102ae+3003+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox; [education price]
6080	g.EEG32sys, complete EEG recording/analysis system, PC included	consisting of: g.USBamp (32 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (2x0216+0167a+0101+0102+3001a+0281A+0284+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox
6080AE	g.EEG32sys, complete EEG recording/analysis system, PC included [education price]	consisting of: g.USBamp (32 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (2x0216+0167a+0101AE+0102AE+3001a+0281A+0284+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox; [education price]
6090	g.EEG64sys, complete EEG recording/analysis system, PC included	consisting of: g.USBamp (64 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (4x0216+0167a+0101+0102+3001a+0283A+0284+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox
6090AE	g.EEG64sys, complete EEG recording/analysis system, PC included [education price]	consisting of: g.USBamp (64 channel biosignal amplifier, CE-certified, FDA listed, with power supply); g.Recorder; g.BSanalyze (base version) for offline data visualization/processing and EEG-Toolbox for advanced EEG analysis; fully equipped business PC (with software ready-to-go installation); synchronisation cable; USB 2.0 Hub; shortcut jumper cables; bundle offer (4x0216+0167a+0101AE+0102AE+3001a+0283A+0284+3060); prerequisite MATLAB for OS English Win 64, Signal Processing Toolbox; [education price]
6095	g.USBamp AEP Setup	complete setup for auditory stimulation experiments with g.USBamp; consisting of: ASSR, BAEP, AEP stimulation unit; audio trigger cable for g.USBamp USB; Lecture 4: Evoked potentials; bundle offer (0150, 0240, 2, 4053)
6028	g.tec BCI2000 bundle offer with g.USBamp, NB included	consisting of: g.USBamp (16 channel biosignal amplifier, CE-certified, FDA listed, with power supply); water-proof heavy duty case; USB cable; fully equipped business notebook; C API and BCI2000 driver, BCI2000 driver package; bundle offer (0216+3003+0263a)
6032	RehaBCI, PC included	o 32 channels; consisting of: g.BCIsys32USB; Unity toolbox; g.GAMMAbundle for g.USBamp CSP; g.UDPinterface for communication between the PCs; g.USBamp common spatial patterns model; bundle offer: (6024+0303+1111b+0264)
6032AE	RehaBCI, PC included [education price]	o 32 channels; consisting of: g.BCIsys32USB; Unity toolbox; g.GAMMAbundle for g.USBamp CSP; g.UDPinterface for communication between the PCs; g.USBamp common spatial patterns model; bundle offer: (6024+0303+1111b+0264)

## g.MOBilab+ multi purpose version

Product No.	Product Name	Description
5033	g.MOBilab+ multi-purpose version	2 EEG; 2 EEG/EOG; 2 ECG/EMG bipolar channels; 2 analog inputs; 4 x digital I/O + 4 x digital IN; battery supplied with 4 AA type batteries; wireless signal transmission; streaming onto removable storage card; removable storage card (3015A); electronic handbook; Bluetooth dongle (3016)
5002	5-lead ECG/EMG patient cable for g.MOBilab+ multi-purpose version	for 2 ECG/EMG bipolar channels for g.MOBilab+, for use with disposable electrodes; with clip leads
5003	9-pin EEG/EOG connector box for g.MOBilab+ multi-purpose version	for 2 EEG and 2 EEG/EOG bipolar channels, for g.MOBilab+; 1.5 mm touch-proof connectors
5003C	6-pin ECG/EMG connector box for g.MOBilab+ multi-purpose version	for ECG/EMG recordings for g.MOBilab+; 1.5 mm touch-proof connectors; 2 bipolar channels + 2 grounds
5052	6-pin analog input connector box for g.MOBilab+ multi-purpose version	for analog signal recordings, for g.MOBilab+; 1.5 mm touch-proof connectors; 2 unipolar channels + 2 grounds

## g.MOBilab+ 8 EEG channel version

Product No.	Product Name	Description
5603	g.MOBilab+ 8 channel EEG version	8 unipolar EEG channels; 4 x digital I/O + 4 x digital IN; battery supplied with 4 AA type batteries; wireless signal transmission; streaming onto removable storage card; removable storage card (3015A); electronic handbook; Bluetooth dongle (3016)
5601	10-pin connector cable to DSUB25 male for g.MOBilab+ EEG version	for EEG recordings with ribbon cable electrode caps, specify channel pinout at order!
5602	10-pin EEG electrode connector box for g.MOBilab+ EEG version	for EEG recordings, for g.MOBilab+; 1.5 mm touch-proof connectors; 8 unipolar channels + 1 ground + 1 reference

## Available software components

Product No.	Product Name	Description
0167B	g.Recorder for g.MOBilab+	fully GUI-based (graphical user interface); comfortable biosignal visualization and storage; full control of the amplifier and header; single place licence; prerequisite OS English Win 64 (Windows 7)
0167EXT	g.Recorder Extension Pack	additional features for g.Recorder software: real-time EP (evoked potential) calculation and visualization, video recording, data review mode, feature analysis: HR, HRV, CSA, CFM; dongle update required
5012A	g.MOBilab+ SIMULINK HIGH-SPEED ONLINE Processing	SIMULINK driver and blockset modules; highly optimized hardware-interrupt controlled device driver; allowing data processing with the maximum system speed; supports real-time processing of the biosignal data; signal analysis blocks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Blockset and DSP System Toolbox
0111	g.RTanalyze	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0111AE	g.RTanalyze [education price]	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0291A	g.EYEtracking Interface for SIMULINK for Tobii X2-60 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii X2 - 60 eye-tracker
0291B	g.EYEtracking Interface for SIMULINK for Tobii EyeX eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii EyeX eye-tracker
0291C	g.EYEtracking Interface for SIMULINK for Tobii Pro Glasses 2 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii Pro Glasses 2 eye-tracker
0291D	g.EYEtracking Interface for SIMULINK for EyeLink 1000 plus eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: EyeLink 1000 plus eye-tracker
0144B	g.VIBROTACTILEp300 model for g.MOBilab+	2-, 3- and 8-channel vibrotactile P300 based BCI control; prerequisite: SIMULINK HIGH SPEED ONLINE Processing (5012a), g.STIMbox (1302), g.VIBROstim (1305), g.BSanalyze Base, EEG and Classify Toolbox (0153)

0139B	g.MOBilab+ P300 model	8-channel P300 based speller; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing for g.MOBilab+, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0141B	g.MOBilab+ SSVEP BCI model	8 channel SSVEP based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing for g.MOBilab+, g.BSanalyze Base, EEG and Classify Toolbox
1303B	SSVEP model and hardware for g.MOBilab+	bundle for SSVEP based robot control; consists of g.MOBilab+ SSVEP BCI model, g.SSVEPbox for stimulation, g.STIMbox to run g.SSVEPbox ; prerequisite SIMULINK HIGH SPEED ONLINE Processing for g.MOBilab+ , g.BSanalyze Base, EEG & Classify Toolboxes, g.RTanalyze; (0141b, 1300, 1302); required hardware (not included): Sphero sprk+
0136	g.BCI CVEP model	code-based BCI model; BCI systems can also use pseudo-random stimulation sequences on a screen (code-based BCI). Such a system can be used to control a robotic device. In this case, the BCI controls were overlaid on the video that showed a robot performing certain tasks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox
0137	g.BCI SOCI model	The SOCI system (Screen Overlay Control Interface module) can be used especially for virtual reality (VR) applications and remote control of devices to provide the standard user interface by directly embedding the BCI stimuli. The SOCI can be embedded in host applications to directly interact with BCI controls inside the displayed scene. It generates CVEP or SSVEP stimuli and supports single symbol and row column for P300 stimulation. single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0264	g.UDPInterface	data exchange with network connection between Simulink/MATLAB on different PCs (eg. BCI, VR, XVR, ...); single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0311	g.DISTRIBUTEDeeg	allows to record biosignal data from different distributed PCs in the network and transmit the recorded data to a central evaluation/data storage PC; data synchronisation using the OSC protocol for distributed systems and UDP network interface; synchronicity of +/- 2 samples at a sampling rate of 256 Hz; allows to record evoked potentials in a distributed system; prerequisite: MATLAB for OS English Win 64 ; SIMULINK; Signal Processing Blockset; DSP System Toolbox
0133B	g.PHYSIOobserver for g.MOBilab	Simulink model for extraction and classification of physiological features with respect to arbitrary classes of user tasks and exercises, tutorial; prerequisite: SIMULINK HIGHSPEED ONLINE processing for g.MOBilab; g.RTanalyze; g.BSanalyze Base, Classify Toolbox
5016	g.MOBilab+ API for MATLAB	MATLAB driver software package for g.MOBilab+; full access to the amplifier from MATLAB command window; for user specific applications under MATLAB; single place licence; prerequisite MATLAB for OS English, Data Acquisition Toolbox
5011	g.MOBilab+ C API	driver software package for g.MOBilab+; full access to recording buffer; for user specific applications on the PC; single place licence; prerequisite OS English Win64 (Windows 7)
5011A	g.MOBilab+ C API + BCI2000	driver software package for g.MOBilab+; full access to recording buffer; for user specific applications on the PC; BCI2000 driver, BCI2000 software package; single place licence; prerequisite OS English Win 64 (Windows 7 or later)

## Possible accessories

Product No.	Product Name	Description
0242	g.SIGgen	sine-wave generator; uV-mV; 10 Hz; portable; 9V battery supplied
3015A	micro SD-card, 2 GB	for g.MOBilab+
3016	Bluetooth dongle for g.MOBilab+ or e-puck	USB; for notebook/PC
3017	PC RS232 data cable set	g.MOBilab+ to PC serial cable incl. adapter for USB port
5001A	external trigger button	for g.MOBilab+; 4 pin connector
5004	4 pin connector (TRIG)	with 3 m cable; with open leads
5005	10 pin connector (AIN/DIGITAL I/O)	with 3 m cable; with open leads
5006	8 pin connector (ECG/EMG)	with 3 m cable; with open leads
5007	10 pin connector (EEG)	with 3 m cable; with open leads
5050	g.MOBilab+ water-proof heavy duty case	water-proof heavy duty case for the g.MOBilab+ equipment
5070	serial to USB converter	
3012	medical isolation transformer	600 VA, REO-MED, 6 outputs

## Complete Solutions

Product No.	Product Name	Description
6006	g.BCIsys8MOBilab+: BCI research system, 8 EEG, NB included	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5603+5602+5012a+0111+0101+0102+0105+3060+3003+3017); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6006AE	g.BCIsys8MOBilab+: BCI research system, 8 EEG, NB included [education price]	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5603+5602+5012a+0111+0101+0102+0105+3060+3003+3017); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6014	g.BCIsys8MOBilab+ SSVEP, P300, NB included	consisting of: g.MOBilab+ 8 channel EEG version + removable storage card; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.MOBilab+ P300 model; g.MOBilab+ SSVEP model and hardware; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (6006+0139b+1303b); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6014AE	g.BCIsys8MOBilab+ SSVEP, P300, NB included [education price]	consisting of: g.MOBilab+ 8 channel EEG version + removable storage card; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.MOBilab+ P300 model; g.MOBilab+ SSVEP model and hardware; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (6006+0139b+1303b); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6007	g.BCIsysMOBilab+: BCI research system, multi-purpose, NB included	consisting of: g.MOBilab+ multi-purpose version (4 EEG/EOG, 2 ECG/EMG, 2 analog inputs, digital I/Os); 9-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5033+5003+5012a+0111+0101+0102+0105+3016+3003); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6007AE	g.BCIsysMOBilab+: BCI research system, multi-purpose, NB included [education price]	consisting of: g.MOBilab+ multi-purpose version (4 EEG/EOG, 2 ECG/EMG, 2 analog inputs, digital I/Os); 9-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.RTanalyze (software for online biosignal parameter extraction); g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5033+5003+5012a+0111+0101+0102+0105+3016+3003); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6008	g.EEGsys g.MOBilab+ multi-purpose version, NB included	consisting of: g.MOBilab+ (4 EEG/EOG, 2 ECG/EMG, 2 analog inputs, digital I/Os); 9-pin connector box; g.Recorder; g.BSanalyze (Base version + EEG toolbox for offline data processing); 5 lead ECG/EMG patient cable; Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5033+5003+0167b+0101+0102+5002+3016+3003); prerequisite MATLAB R2013a/R2014a for OS English Win 32/64 (Windows 7), Signal Processing Toolbox
6008AE	g.EEGsys g.MOBilab+ multi-purpose version, NB included [education price]	consisting of: g.MOBilab+ (4 EEG/EOG, 2 ECG/EMG, 2 analog inputs, digital I/Os); 9-pin connector box; g.Recorder; g.BSanalyze (Base version + EEG toolbox for offline data processing); 5 lead ECG/EMG patient cable; Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5033+5003+0167b+0101+0102+5002+3016+3003); prerequisite MATLAB R2013a/R2014a for OS English Win 32/64 (Windows 7), Signal Processing Toolbox; [education price]
6009	g.EEGsys g.MOBilab+ 8 channel EEG version, NB included	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.Recorder; g.BSanalyze (Base version + EEG toolbox for offline data processing); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer; prerequisite MATLAB R2013a/R2014a for OS English Win 32/64 (Windows 7), Signal Processing Toolbox

6009AE	g.EEGsys g.MOBilab+ 8 channel EEG version, NB included [education price]	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.Recorder; g.BSanalyze (Base version + EEG toolbox for offline data processing); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer (5603+5602+0167b+0101ae+0102ae+3016+3003); prerequisite MATLAB R2013a/R2014a for OS English Win 32/64 (Windows 7), Signal Processing Toolbox; [education price]
6011	g.BCIsys8MOBilab+- P300, 8 EEG, NB included	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer for P300 experiments (5603+5602+5012a+0101+0102+0105+3003+3060); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox
6011AE	g.BCIsys8MOBilab+- P300, 8 EEG, NB included [education price]	consisting of: g.MOBilab+ 8 channel EEG version; 10-pin connector box; g.MOBilab Simulink High-Speed Online Processing software; g.BSanalyze (Base version + EEG toolbox + Classify toolbox for offline data processing, analysis and classification); Bluetooth dongle; fully equipped business notebook (with software ready-to-go installation); cables; bundle offer for P300 experiments (5603+5602+5012a+0101ae+0102ae+0105ae+3003+3060); prerequisite MATLAB R2014a for OS English Win 64 (Windows 7), SIMULINK, Signal Processing Toolbox, Signal Processing Blockset and DSP System Toolbox; [education price]
6012	g.tec BC12000 bundle offer with g.MOBilab+, NB included	consisting of g.MOBilab+ EEG version + Mini SD card 1 GB; 10-pin connector; g.MOBilab+ C API + BC12000 driver, BC12000 software package; fully equipped business notebook (with ready to go installation); bundle offer (5603+5602+5011A+3003)

## g.HEADstage system

Product No.	Product Name	Description
1206G	g.HEADstage (16 channels)	tiny amplifier for recording of action potentials; reduces cable artefacts; including 3 m low-noise cable from g.HEADstage to g.SPIKEs Driver Box (g.HEADstagecable, 1225); with golden pin connector; 16 channels, not approved for use in humans
1206M	g.HEADstage (16 channels)	tiny amplifier for recording of action potentials; reduces cable artefacts; including 3 m low-noise cable from g.HEADstage to g.SPIKEs Driver Box (g.HEADstagecable, 1225); with multi pin connector; 16 channels, not approved for use in humans
1203	g.SPIKEs Driver Box	power supply & driver/interface box for 16 channels; for usage with g.USBamp
1220	g.SPIKEs HEADstage connector	connector cable between the g.USBamp (system connector) and the g.SPIKEs Driver Box; 25-30 cm lead
1230	Headstage Electrode Connector with open leads	mating-socket (Samtec) with open leads to input-plug of headstage 1206M; for use with multi-pin connector headstages (1206M)
1232	Headstage and switching unit for spikes and LFP recordings	1 Hz - 6 kHz, 4 channels to Tungsten electrode spike contact or LFP contact, stimulator inputs switchable between channel 1, 2, 3 or 4, electrical stimulator switchable to amplifier or to electrode for stimulation, electrical stimulator provides trigger; prerequisite: g.SPIKEs Driver Box (1203), g.EstIm PRO (1150)

# 02 Wireless EEG Systems

g.Nautilus PRO

g.Nautilus Research

g.Nautilus Multi-Purpose

g.Nautilus fNIRS

# 02 Wireless EEG Systems

## Electrode caps

Product No.	Product Name	Description
5300M_3	g.GAMMAcap3 for g.Nautilus, Size M, 5mm	electrode cap with 74 position, for g.Nautilus with g.LADYbird, extended 10/20 system and 86 intermediate positions; size: M (54-58 cm); chin strap and occipital velcro pad
5300L_3	g.GAMMAcap3 for g.Nautilus, Size L, 5mm	electrode cap with 74 position, for g.Nautilus with g.LADYbird, extended 10/20 system and 86 intermediate positions; size: L (58-62 cm); chin strap and occipital velcro pad
5300S_3	g.GAMMAcap3 for g.Nautilus, Size S, 5mm	electrode cap with 74 position, for g.Nautilus with g.LADYbird, extended 10/20 system and 86 intermediate positions; size: S (50-54 cm); chin strap and occipital velcro pad
5300S_2	g.GAMMAcap2 for g.Nautilus, Size S, 2mm	electrode cap with 74 position, for g.Nautilus with g.SAHARA and g.SCARABEO, extended 10/20 system and 86 intermediate positions; size: S (50-54 cm); chin strap and occipital velcro pad
5300M_2	g.GAMMAcap2 for g.Nautilus, Size M, 2mm	electrode cap with 74 position, for g.Nautilus with g.SAHARA and g.SCARABEO, extended 10/20 system and 86 intermediate positions; size: M (54-58 cm); chin strap and occipital velcro pad
5300L_2	g.GAMMAcap2 for g.Nautilus, Size L, 2mm	electrode cap with 74 position, for g.Nautilus with g.SAHARA and g.SCARABEO, extended 10/20 system and 86 intermediate positions; size: L (58-62 cm); chin strap and occipital velcro pad

## g.Nautilus flexible

Product No.	Product Name	Description
5130	g.Nautilus 64 flexible	64 active channels with electrodes prefixed on a medium cap; 24 bit resolution; 250 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5132	g.Nautilus 32 flexible	32 active channels with electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5134	g.Nautilus 16 flexible	16 active channels with electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5136	g.Nautilus 8 flexible	8 active channels with electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5137	g.Nautilus 8 flexible g.SAHARA	8 active channels with g.SAHARA dry EEG electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; internal impedance check; non medical, for research only; flexible electrode positioning
5135	g.Nautilus 16 flexible g.SAHARA	16 active channels with g.SAHARA dry EEG electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; internal impedance check; non medical, for research only; flexible electrode positioning
5133	g.Nautilus 32 flexible g.SAHARA	32 active channels with g.SAHARA dry EEG electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; internal impedance check; non medical, for research only; flexible electrode positioning
5131	g.Nautilus 64 flexible g.SAHARA	64 active channels with g.SAHARA dry EEG electrodes prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; internal impedance check; non medical, for research only; flexible electrode positioning

## g.Nautilus multi purpose

Product No.	Product Name	Description
5401	g.Nautilus multi-purpose gel electrode	single EEG gel electrode; passive; can be connected to one input of the g.Nautilus multi-purpose
5402	g.Nautilus multi-purpose dry electrode clip	single EEG dry electrode clip for use with g.SAHARA electrode; passive; can be connected to one input of the g.Nautilus multi-purpose
5408	g.Nautilus 8 multi-purpose (4+4)	8 channel wireless multi-purpose biosignal amplifier; 8 channels EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning

5416	g.Nautilus 16 multi-purpose (12+4)	16 channel wireless multi-purpose biosignal amplifier; 16 channels EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5432	g.Nautilus 32 multi-purpose (28+4)	32 channel wireless multi-purpose biosignal amplifier; 32 channels EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5464	g.Nautilus 64 multi-purpose (60+4)	64 channel wireless multi-purpose biosignal amplifier; 64 channels EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5499	g.Nautilus multi-purpose modification	modification of g.Nautilus multi-purpose; specifications from customer required
5508	g.Nautilus 8 multi-purpose (4+4) g.SAHARA	8 channel wireless multi-purpose biosignal amplifier; 8 channels dry EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5516	g.Nautilus 16 multi-purpose (12+4) g.SAHARA	16 channel wireless multi-purpose biosignal amplifier; 16 channels dry EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5532	g.Nautilus 32 multi-purpose (28+4) g.SAHARA	32 channel wireless multi-purpose biosignal amplifier; 32 channels dry EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning
5564	g.Nautilus 64 multi-purpose (60+4) g.SAHARA	64 channel wireless multi-purpose biosignal amplifier; 64 channels dry EEG included; 4 channels detachable to be used to connect other sensors (EMG, ECG, GSR, etc.) with 1.5mm touch proof connectors; prefixed on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check; non medical, for research only; flexible electrode positioning

## g.Nautilus pro

Product No.	Product Name	Description
5120PRO	g.Nautilus-PRO 8, g.LADYbird	8 prefixed channels with active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes; - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)
5220PRO	g.Nautilus-PRO 8, g.SAHARA	8 prefixed channels with dry active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of P1967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes; g.SAHARA 7mm electrodes "short-pin" included (16mm "long-pin" electrodes must be ordered separately) - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)



5110PRO	g.Nautilus-PRO 16, g.LADYbird	16 prefixed channels with active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes; - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)
5210PRO	g.Nautilus-PRO 16, g.SAHARA	16 prefixed channels with dry active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes; for different hair conditions short and long pin g.SAHARA Electrodes included; g.SAHARA 7mm electrodes "short-pin" included (16mm "long-pin" electrodes must be ordered separately) - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)
5100PRO	g.Nautilus-PRO 32, g.LADYbird	32 prefixed channels with active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)
5200PRO	g.Nautilus-PRO 32, g.SAHARA	32 prefixed channels with dry active electrode system on a medium cap; 24 bit resolution; 250 or 500 Hz sample rate; built in 3-axis acceleration sensor; Lithium ION batteries in Compliance with Section II of PI967, easy wireless charging, Qi compatible; wireless data transmission; watertight housing for easy cleaning; internal impedance check with active electrodes; g.SAHARA 7mm electrodes "short-pin" included (16mm "long-pin" electrodes must be ordered separately) - medical device FDA cleared for US market (K171669, device listing number: D300440, facility registration number: 3005713796) - medical grade for EU market (ISO13485 certificate)

## g.Nautilus fNIRS

Product No.	Product Name	Description
5608	g.Nautilus fNIRS 8ch	8 active channels EEG and 8 channels fNIRS (2x4); electrodes prefixed on a medium cap; 24 bit EEG resolution; 250 or 500 Hz sample rate; 10 Hz sample rate fNIRS; 1 set of 8 sensors for forehead; 1 set of 8 sensors for positions according to the 10/20 elec
5616	g.Nautilus fNIRS 16ch	16 active channels EEG and 8 channels fNIRS (2x4); electrodes prefixed on a medium cap; 24 bit EEG resolution; 250 or 500 Hz sample rate; 10 Hz sample rate fNIRS; 1 set of 8 sensors for forehead; 1 set of 8 sensors for positions according to the 10/20 ele
5632	g.Nautilus fNIRS 32ch	32 active channels EEG and 8 channels fNIRS (2x4); electrodes prefixed on a medium cap; 24 bit EEG resolution; 250 or 500 Hz sample rate; 10 Hz sample rate fNIRS; 1 set of 8 sensors for forehead; 1 set of 8 sensors for positions according to the 10/20 ele
5664	g.Nautilus fNIRS 64ch	64 active channels EEG and 8 channels fNIRS (2x4); electrodes prefixed on a medium cap; 24 bit EEG resolution; 250 or 500 Hz sample rate; 10 Hz sample rate fNIRS; 1 set of 8 sensors for forehead; 1 set of 8 sensors for positions according to the 10/20 electrode system, 2 receiver; built in 3-axis acceleration sensor; two Lithium ion batteries in compliance with Section II of PI966, chargeable batteries; wireless data transmission; internal impedance check; non-medical, for research only; flexible electrode positioning; prerequisite: g.Nautilus SIMULINK HIGH-SPEED ONLINE Processing (0260E) and g.Nautilus fNIRS Simulink interface (0156)

## Available software components

Product No.	Product Name	Description
0167E	g.Recorder for g.Nautilus	fully GUI-based (graphical user interface); comfortable biosignal visualization and storage; full control of the amplifier and header; single place licence; prerequisite OS English Win 64 (Windows 7)
0167EXT	g.Recorder Extension Pack	additional features for g.Recorder software: real-time EP (evoked potential) calculation and visualization, video recording, data review mode, feature analysis: HR, HRV, CSA, CFM; dongle update required
0260E	g.Nautilus SIMULINK HIGH-SPEED ONLINE Processing	SIMULINK driver and blockset modules; highly optimized hardware-interrupt controlled device driver; allowing data processing with the maximum system speed; supports real-time processing of the biosignal data; g.Nautilus configuration block, single place license; prerequisite MATLAB for OS English Win 64, SIMULINK, Signal Processing Blockset and DSP System Toolbox
0111	g.RTanalyze	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place license; prerequisite MATLAB for OS English Win 64, SIMULINK
0111AE	g.RTanalyze [education price]	real-time EEG, ECG, respiration, galvanic skin response and biosignal processing blockset under SIMULINK; real-time algorithms; single place license; prerequisite MATLAB for OS English Win 64, SIMULINK
0154	g.CSP recoveriX extension	extends the g.CSP Simulink model by the activation of g.Estim FES in the desired mode PRACTICE or REHABILITATION (EEG controlled) requires g.tec Highspeed On-line Processing, MATLAB, Simulink and Signal Processing Toolbox.
0291A	g.EYEtracking Interface for SIMULINK for Tobii X2-60 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii X2 - 60 eye-tracker
0291B	g.EYEtracking Interface for SIMULINK for Tobii EyeX eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii EyeX eye-tracker

0291C	g.EYEtracking Interface for SIMULINK for Tobii Pro Glasses 2 eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: Tobii Pro Glasses 2 eye-tracker
0291D	g.EYEtracking Interface for SIMULINK for EyeLink 1000 plus eye-tracker	read eyetracking information into Simulink; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK Can be used with the following eyetracker models: EyeLink 1000 plus eye-tracker
0144E	g.VIBROTACTIONEp300 BCI model for g.Nautilus	2-, 3- and 8-channel vibrotactile P300 based BCI control; prerequisite: SIMULINK HIGH SPEED ONLINE Processing (0260E), g.STIMbox (1302), g.VIBROstim (1305), g.Bsanalyze Base, EEG and Classify Toolbox (0153)
0147	hybrid BCI model	SSVEP and P300 hybrid based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0148	ACTOR BCI - Application ConTrol and Online Reconfiguration (ACTOR) protocol	Simulink model with matrix interface that can be remotely updated or configured with configuration files; sends commands to external devices; prerequisite SIMULINK HIGH-SPEED ONLINE Processing
0139E	g.Nautilus P300 BCI model	8-channel P300 based speller; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260E), g.BSanalyze Base, EEG and Classify Toolbox (0153)
0140A	g.USBamp Ping Pong model	2 subject and 4-channel motor imagery based game; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260a), g.BSanalyze Base, EEG and Classify Toolbox
0141E	g.Nautilus SSVEP BCI model	8 channel SSVEP based control; prerequisite SIMULINK HIGH-SPEED ONLINE Processing for g.Nautilus, g.RTanalyze, g.BSanalyze Base, EEG and Classify Toolbox
1303E	SSVEP model and hardware for g.Nautilus	bundle for SSVEP based robot control; consists of g.Nautilus SSVEP BCI model, g.SSVEPbox for stimulation, g.STIMbox to run g.SSVEPbox; prerequisite SIMULINK HIGH SPEED ONLINE processing for g.Nautilus, g.BSanalyze Base, EEG & Classify Toolboxes, g.RTanalyze; (0141E, 1300, 1302); required hardware (not included): Sphero sprk+
0136	g.BCI CVEP model	code-based BCI model; BCI systems can also use pseudo-random stimulation sequences on a screen (code-based BCI). Such a system can be used to control a robotic device. In this case, the BCI controls were overlaid on the video that showed a robot performing certain tasks; single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox
0137	g.BCI SOCI model	The SOCI system (Screen Overlay Control Interface module) can be used especially for virtual reality (VR) applications and remote control of devices to provide the standard user interface by directly embedding the BCI stimuli. The SOCI can be embedded in host applications to directly interact with BCI controls inside the displayed scene. It generates CVEP or SSVEP stimuli and supports single symbol and row column for P300 stimulation. single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK, SIMULINK HIGH-SPEED ONLINE Processing, g.BSanalyze Base, EEG and Classify Toolbox (0153)
0264	g.UDPinterface	data exchange with network connection between Simulink/MATLAB on different PCs (eg. BCI, VR, XVR, ...); single place licence; prerequisite MATLAB for OS English Win 64, SIMULINK
0311	g.DISTRIBUTEDeeg	allows to record biosignal data from different distributed PCs in the network and transmit the recorded data to a central evaluation/data storage PC; data synchronisation using the OSC protocol for distributed systems and UDP network interface; synchronicity of +/- 2 samples at a sampling rate of 256 Hz; allows to record evoked potentials in a distributed system; prerequisite: MATLAB for OS English Win 64 ; SIMULINK; Signal Processing Blockset; DSP System Toolbox
0142E	g.Nautilus common spatial patterns BCI model	Simulink model to calculate CSPs for 2 / 3 classes, tutorial; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260E), g.Bsanalyze Base, EEG and Classify Toolbox (0153); special g.Nautilus electrode montage necessary!
157	Multi device toolbox	use multiple g.Hiamps, g.USBamps or g.Nautilus in one single Simulink model; prerequisite: SIMULINK HIGH-SPEED ONLINE Processing (0260E)
6300	g.NEEDaccess device service	g.tec general device data access interface
6305	g.NEEDaccess API	g.tec general device data access interface; application programming interface
6306	g.NEEDaccess MATLAB API	g.tec general device data access interface; application programming interface; works with g.Nautilus, g.USBamp and g.Hlamp type amplifiers
6310	g.NEEDaccess bundle	complete g.NEEDaccess API bundle, including mini-pc to run the device server

## Possible accessories

Product No.	Product Name	Description
5321	Trigger cable for g.Nautilus (Parallel Port)	Trigger cable to connect the 8 trigger inputs of the g.Nautilus base station to the parallel port (25-pin, sub-D). Can be used with E-prime or Presentation stimulation system. Length: 3 m

## Complete solutions

Product No.	Product Name	Description
5241	g.Nautilus AEP Setup	complete setup for auditory stimulation experiments with g.Nautilus; consisting of: ASSR, AEP stimulation unit; audio trigger cable for g.Nautilus; Lecture 4: Evoked potentials; bundle offer (0150, 5240, 4053)

# 03 Invasive and Non-Invasive Electrical Stimulators

g.Estim PRO Cortical Stimulator

g.Estim FES Functional Electrical Stimulator

# OB Invasive and Non-Invasive Electrical Stimulators

## Stimulator

Product No.	Product Name	Description
1170	gEstimFES	functional electrical stimulator, one channel (for one muscle), battery powered, USB controlled, programmable, symmetrical AC output with amplitudes up to 60mA and pulse width between 50 and 400µs. CE certified, FDA cleared, see interface for therapy.
1150	gEstimPRO bundle	intracranial electrical stimulator; AC stimulation, single & repetitive pulses programmable, bi-phasic pulses stand-alone device that can be controlled from a computer system. Includes electrode impedance check and stimulation current control; triggerable using the advanced mode feature activation. CE-Certification according to directive 93/42/EEC, Annex II FDA cleared product according to 510(k) available January 2018

## Possible accessories

Product No.	Product Name	Description
1164	gEstimFES adhesive stimulation electrode pads	4pcs/pkg

## Available software components

Product No.	Product Name	Description
0155	gEstimFES Simulink Interface	provides a graphical interface to the gEstimFES hardware, which can be used under Simulink to specify the properties of the electrical stimulator (current, pulse width, inter-phase duration, monophasic, biphasic, polarity); intended to be used for research applications only. requires gtec Simulink Highspeed On-line Processing, MATLAB, Simulink and Signal Processing Toolbox.
0158	gEstimPRO Simulink Interface	provides a graphical interface to the gEstimPRO hardware, which can be used under Simulink to specify the properties of the electrical stimulator (current, pulse width, inter-phase duration, biphasic, polarity); intended to be used for research applications only. requires gtec Simulink Highspeed On-line Processing, MATLAB, Simulink and Signal Processing Toolbox; includes (1153).
1153	gEstimPRO advanced mode feature activation	The hardware dongle for gEstimPRO enables the advanced operation mode of gEstimPRO. Can be triggered from Simulink or used as stand alone product. This mode provides the usage of the digital input and a wider range of settings for the stimulator (smaller phase amplitude, monophasic stimulation, longer pulse onset interval, higher pulse rate/frequency, allows definition of inter-phase duration and longer train duration). Use this mode at your own risk.

# 04 External Trigger Generation

g.STIMbox Digital Stimulation Box

g.TRIGbox Multimodal Trigger Box

# O4 External Trigger Generation

## gTRIGbox

Product No.	Product Name	Description
0274	gTRIGbox	multimode trigger-conditioner-box, battery supplied; 3x 4 trigger inputs for analog optical and digital trigger signals; adjustable thresholds; LED indicators; 4x TTL-outputs output: 5V
0374D	trigger cable for gHamp to gTRIGbox	for 4 trigger channels; from gTRIGbox (D-sub 15) to gHamp (HA-XXXXXXX, DIG IN 1), 3m
0277	trigger cable for gUSBamp UB	DIO break-out cable to DSUB15-female; can be used e.g. for 4 trigger channels; from gTRIGbox (D-sub 15), 3m for gUSBamp 3.0 (USB-xxx.xx.xx)
0374E	trigger cable for gMOBilab+ to gTRIGbox	for 4 trigger channels; from gTRIGbox (D-sub 15) to gMOBilab+ (MP-XXXXXXX, DIG IN), 3m
5323	Trigger cable for gNautilus (gTRIGbox)	Trigger cable to connect 4 trigger inputs of the gNautilus base station to the output connector of gTRIGbox (15-pin, sub-D). Length: 3m
0269A	gPower for gTRIGbox	medical mains power supply for gTRIGbox (0274a/Ub/d); 110/230V; 50/60Hz power line; single 9V supply
0266	gTRIGbox, push-button	to record subject responses, 1.8m cable
027C	gTRIGbox, optical trigger sensor	for screen marker or strobe lamp detection, approx. 2.5m cable
0271	gTRIGbox, microphone	to trigger on acoustic events, 1.8m cable

## gSTIMbox

Product No.	Product Name	Description
1302	gSTIMbox	stimulation box to record and generate trigger signals; 16 digital outputs and 14 digital inputs; CAPI, MATLAB API and Simulink driver; including external power supply unit and USB cable; prerequisite: MATLAB for OS English 64, SIMULINK
1300	gSSVEPbox	SSVEP stimulation box with 4 stimulation- and 4 training LEDs; adjustable intensity; including connection cable to gSTIMbox; prerequisite: gSTIMbox (1302)
1307	push button, for gSTIMbox	bounce free, to record subject responses, 1.8m cable; prerequisite: gSTIMbox (1302)
1305	single flashing LED, for gSTIMbox	single flashing LED for SSVEP experiments; prerequisite: gSTIMbox (1302)
1306	gVIBROstim	stimulator for vibro-tactile evoked potential experiments; prerequisite: gSTIMbox (1302)
5322	Trigger cable for gNautilus (gSTIMbox)	Trigger cable to connect the 8 trigger inputs of the gNautilus base station to the digital output connector of gSTIMbox (26-pin, sub-D). Length: 3m

# 05 Active Electrode Systems

g.GAMMAsys Active Electrode System

g.SCARABEO Active Electrodes

g.LADYbird Active Electrodes

g.GAMMAclip Active Electrodes

g.SAHARAsys Active Dry Electrode System

# 05 Active Electrode Systems

## Electrode caps

Product No.	Product Name	Description
10235_2	g.GAMMAcap2, size S, 2mm	electrode cap with 2mm hole diameter for use with g.SCARABEO and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: S (50-54 cm), additional positions can be added freely by the user; chin strap
10235_3	g.GAMMAcap3, size S, 5mm	electrode cap with 5mm hole diameter for use with g.LADYbird and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: S (50-54 cm), additional positions can be added freely by the user; chin strap
1023M_2	g.GAMMAcap2, size M, 2mm	electrode cap with 2mm hole diameter for use with g.SCARABEO and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: M (54-58 cm), additional positions can be added freely by the user; chin strap
1023M_3	g.GAMMAcap3, size M, 5mm	electrode cap with 5mm hole diameter for use with g.LADYbird and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: M (54-58 cm), additional positions can be added freely by the user; chin strap
1023L_2	g.GAMMAcap2, size L, 2mm	electrode cap with 2mm hole diameter for use with g.SCARABEO and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: L (58-62 cm), additional positions can be added freely by the user; chin strap
1023L_3	g.GAMMAcap3, size L, 5mm	electrode cap with 5mm hole diameter for use with g.LADYbird and g.SAHARA, extended 10/20 system and 86 intermediate positions; size: L (58-62 cm), additional positions can be added freely by the user; chin strap
1023MINI	g.GAMMAcap2KIDS, 74 position, mini	electrode cap with 74 position for kids; extended 10/20 system; size: mini (32 - 36 cm); additional positions can be added freely by the user; chin strap
1023MIDI	g.GAMMAcap2KIDS, 74 position, midi	electrode cap with 74 position for kids; extended 10/20 system; size: midi (37 - 43 cm); additional positions can be added freely by the user; chin strap
1023MAXI	g.GAMMAcap2KIDS, 74 position, maxi	electrode cap with 74 position for kids; extended 10/20 system; size: maxi (44 - 48 cm); additional positions can be added freely by the user; chin strap
1027_2	g.GAMMAcap2SET, 2mm	set of 3 caps (size S, M, L) with 2mm hole diameter for use with g.SCARABEO and g.SAHARA, 74 standard and 86 intermediate positions according to the international 10-10/extended 10-20 system, additional positions can be added freely by the user, one chest belt set
1027_3	g.GAMMAcap3SET, 5mm	set of 3 caps (size S, M, L) with 5mm hole diameter for use with g.LADYbird and g.SAHARA, 74 standard and 86 intermediate positions according to the international 10-10/extended 10-20 system, additional positions can be added freely by the user, one chest belt set
1027B	g.GAMMAcap2SETKIDS	set of 3 kids caps (size mini, midi, maxi), 74 standard positions according to the international 10-10/extended 10-20 system, additional positions can be added freely by the user, one chest belt set
1028	g.GAMMAcapBELT	chest belt set, flexible velcro chest belt (90 - 150 cm), 2 adjustable strips for g.GAMMAcap, measuring tape, syringe (1067)
1102	assembling costs 64 channel cap	64 channel g.GAMMAcap2 montage The setup of a ready-to-use cap with 64 channels (standard montages) includes: - mounting of electrodes on the cap - laying of electrode wires - fixation of wires with tagging gun - labeling of electrodes (if applicable) and wires - connection to electrode driver box (if applicable)
1103	assembling costs 128 channel cap	128 channel g.GAMMAcap2 montage The setup of a ready-to-use cap with 128 channels (standard montages) includes: - mounting of electrodes on the cap - laying of electrode wires - fixation of wires with tagging gun - labeling of electrodes (if applicable) and wires - connection to electrode driver box (if applicable)
1105	assembling costs 160 channel cap	160 channel g.GAMMAcap2 montage The setup of a ready-to-use cap 160 channels (standard montages) includes: - mounting of electrodes on the cap - laying of electrode wires - fixation of wires with tagging gun - labeling of electrodes (if applicable) and wires - connection to electrode driver box (if applicable)
1090	electrode cable sleeve for g.GAMMAcap	special zip tube for covering cables
1095	Velcro strap	Velcro strap for binding cables; 10 pcs/pkg

## g.SCARABEO electrodes

Product No.	Product Name	Description
1085	g.SCARABEO	active ring electrode, can be used with electrode holder ring and g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG); g.SCARABEO electrode holder ring (1087) included; sintered Ag/AgCl ring (for DC recordings), size: 16 x 10 x 5 mm, 125 cm lead, 2-pin safety connector, remains in the cap for cleaning, connector color: grey
1085Z	g.SCARABEO 'Z'	active ring electrode to be used for channel 1 with g.HIamp to enable impedance measurement, can be used with electrode holder ring and g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl ring (suitable for DC recording), g.SCARABEO electrode holder ring (1087) included; remains in the cap for cleaning, size: 16 x 10 x 5 mm, 125 cm lead, connector color: black
1086	g.SCARABEOgnd	passive ground ring electrode, can be used with electrode holder ring and g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl ring (for DC recordings), g.SCARABEO electrode holder ring (1087) included; size: 16 x 10 x 5 mm, 125 cm lead, 2-pin safety connector, remains in the cap for cleaning, connector color: yellow
1087_2	g.SCARABEO electrode holder ring	holder ring with cone for the g.SCARABEO, fits for g.GAMMAcap2; 10 pcs/pkg
1088	g.SCARABEO syringe	syringe with blunt cannula for placing g.GAMMAgel in g.SCARABEO; 3 blunt cannulas inclusive
1089	g.SCARABEO cleaning brush set	set consisting of 1x brush holder, 12 spare brushes and 12 brush sticks
1091A	g.SCARABEO label set 16	extra set of labels for g.SCARABEO 16 bundle; consisting of 24 holder ring labels, 3 x 16 label tags and 1 set (10 pcs) of velcro straps
1091B	g.SCARABEO label set 64	extra set of labels for g.SCARABEO 64 bundle; consisting of 72 holder ring labels, 3 x 64 label tags and 1 set (10 pcs) of velcro straps
1091C	g.SCARABEO label set 128	extra set of labels for g.SCARABEO 128 bundle; consisting of 144 holder ring labels, 3 x 128 label tags and 1 set (10 pcs) of velcro straps
1091D	g.SCARABEO label set 160	extra set of labels for g.SCARABEO 160 channel cap montage; consisting of 168 holder ring labels, 3 x 160 label tags and 1 set (10 pcs) of velcro straps
1091E	g.SCARABEO label set 256	extra set of labels for g.SCARABEO 256 bundle; consisting of 264 holder ring labels, 3 x 256 label tags and 2 sets (20 pcs) of velcro straps

## g.LADYbird electrodes

Product No.	Product Name	Description
1033	g.LADYbird	active ring electrode, can be used with g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl crown (for DC recordings), 125 cm lead, 2-pin safety connector, remains in the cap for cleaning, color: red
1033Z	g.LADYbird 'Z'	active ring electrode to be used for channel 1 with g.HIamp to enable impedance measurement, can be used with g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl crown (suitable for DC recording), 125cm lead, remains in the cap for cleaning, color: black
1034	g.LADYbirdGND	passive ground ring electrode, can be used with g.GAMMAcap2 (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl crown (for DC recordings), 125 cm lead, 2-pin safety connector, remains in the cap for cleaning, color: yellow
1039	g.GAMMAearclip Ag/AgCl	active earclip Ag/AgCl electrode (reference), sintered Ag/AgCl disk, 125 cm lead, 2-pin safety connector, color: blue
1051	Ag/AgCl passive earclip	passive earclip electrode (reference), 2 sintered Ag/AgCl disks, 125 cm lead wire; 1.5mm safety connector, color: blue
1035	g.LADYbirdPASSIVE	passive ring electrode, can be used with g.GAMMAcap (EEG) or with adhesive washer (ECG, EMG, EOG), sintered Ag/AgCl ring (for DC recordings), 120 cm lead, 1.5 mm safety connector, remains in the cap for skin preparation and cleaning
1043	double-sided adhesive washers	500 pieces; 20 mm outer diameter, 8 mm inner diameter for g.LADYbird or g.SCARABEO electrodes

## g.SAHARA electrodes

Product No.	Product Name	Description
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1070A	g.SAHARAElectrode, 7 mm	dry electrode, 8 gold-alloy coated pins with 7 mm length, 19 mm diameter, clip connector on top to connect to g.SAHARAClip, color: orange
1070B	g.SAHARAElectrode, 16 mm	dry electrode, 8 gold-alloy coated pins with 16 mm length, 19 mm diameter, clip connector on top to connect to g.SAHARAClip, color: orange
1071	g.SAHARAClip	active clip connector for use with g.SAHARAElectrode, 125 cm lead, 2 pin safety connector, color: orange
1076	g.SAHARASoft dry electrode	soft dry hybrid electrode, made of special soft biocompatible conductive polymer, 8 pins with 7 mm length, 20 mm diameter, connector on top to connect to g.SAHARASoft clip
1077	g.SAHARASoft clip cable	active clip connector cable for use with g.SAHARASoft dry electrode, 125 cm lead, 2 pin safety connector, color: orange
1072	g.ACTIVEclipREF	active clip connector (reference) for use with disposable electrodes, for g.SAHARA or ECG/EMG/EGG, 125 cm lead, 2 pin safety connector, color: blue
1073	g.ACTIVEclipGND	passive ground clip connector for use with disposable electrodes, for g.SAHARA or ECG/EMG/EGG, 125 cm lead, 2 pin safety connector, color: yellow
1075	Adhesive mastoid electrodes	disposable adhesive mastoid electrodes, diameter 24 mm, 50 pcs, for use with g.SAHARAClipREF and with g.SAHARAClipGND, no gel remains on the skin after use
1082	Anti static wrist band and power socket connector	Anti static wrist band and power socket connector for electro-static artefact reduction; consists of 1 x power socket connector, 2 x spiral cable and 2 wrist bands

## g.GAMMAbox and connectors to the amplifiers

Product No.	Product Name	Description
1016A	g.GAMMAbox for 16 channels, DC	power supply & driver/interface box for 16 active electrodes, DC coupled for usage with g.USBamp, works with g.tec 2-pin safety connector electrodes
1016C	g.GAMMAbox for 16 channels, AC	power supply & driver/interface box for 16 active electrodes, AC coupled for usage with g.USBamp, g.BSamp and g.MOBilab; works with g.tec 2-pin safety connector electrodes
1019A	Active Electrode Driver Box Connector for g.USBamp	connector cable between the g.USBamp (system connector) and the g.GAMMAbox/g.SAHARAbx; 25 cm lead
1019B	Active Electrode Driver Box Connector for g.MOBilab+ EEG	connector cable between the g.MOBilab+ 8 channel EEG version (system connector to 8 EEG channels) and the g.GAMMAbox/g.SAHARAbx; 40 cm lead
1019C	Active Electrode Driver Box Connector for touch-proof medical connectors	connector cable between 1.5 mm touch proof medical connectors (monopolar) and the g.GAMMAbox/g.SAHARAbx; 40 cm lead
1019D	Customized Active Electrode Driver Box Connector	connector cable between a third party amplifier and the g.GAMMAbox/g.SAHARAbx; 84 cm lead, confirmation of availability on request before order; price upon request
1019E	Active Electrode Driver Box Connector for g.MOBilab+ MP EEG/EOG	connector cable between the g.MOBilab+ multi-purpose version (system connector to 4 EEG/EOG channels) and the g.GAMMAbox/g.SAHARAbx for bipolar recordings; 84 cm lead
1019F	Customized Active Electrode Box Connector initial costs	if customized connector has to be developed for a new 3rd party amplifier (for the first time)
1022	g.EXTENSIONbox for g.GAMMAbox	for additional 16 active electrodes; without ground and reference; DC coupled
1019G	Active Electrode Driver Box Connector for g.MOBilab+ MP EEG/EOG and ECG/EMG	connector cable between g.MOBilab+ multi-purpose version (system connector to 4 EEG/EOG channels and 2 ECG/EMG channels) and the g.GAMMAbox/g.SAHARAbx for bipolar recordings; 84 cm lead
1019H	Active Electrode Driver Box Connector for g.USBamp8	connector cable between the the g.GAMMAbox/g.SAHARAbx; 40 cm lead
1019I	Extension cable for Active Electrode Driver Box Connector for g.USBamp (LEMO)	1,5 m extension cable between g.GAMMAbox/g.SAHARAbx and g.USBamp; for LEMO connector type (LEMO28male_to_LEMO28female)
1019J	Extension cable for Active Electrode Driver Box Connector for g.USBamp (DSUB)	1,5 m extension cable for g.GAMMAbox/g.SAHARAbx Output; for DSUB connector type (DSUB26male_to_DSUB26female)

## g.SAHARAbx and connectors to the amplifiers

Product No.	Product Name	Description
1074	g.SAHARAbx	power supply & driver/interface box for 16 g.SAHARAElectrodes, for usage with all g.tec amplifiers, frequency range 0.1 Hz - 40 Hz
1076A	g.SAHARAbxCONNECT OR for g.USBamp	not available anymore; product 1019A will be sent
1076B	g.SAHARAbxCONNECT OR for g.MOBilab+	not available anymore; product 1019B will be sent
1076C	g.SAHARAbxCONNECT OR for g.BSamp	not available anymore; product 1019C will be sent
1076D	g.CustomizedSAHARAconnector	not available anymore; product 1019A will be sent
1076E	g.CustomizedSAHARAconnector additional costs	not available anymore; use product 1019F instead

## Electrodes and clips

Product No.	Product Name	Description
1024	g.GAMMAclip	active clip connector for use with disposable pregelled adhesive electrodes for ECG/EMG/EGG, 5 lead, 2 pin safety connector, color: red
1072	g.ACTIVEclipREF	active clip connector (reference) for use with disposable electrodes, for g.SAHARA or ECG/EMG/EGG, 125 cm lead, 2 pin safety connector, color: blue
1073	g.ACTIVEclipGND	passive ground clip connector for use with disposable electrodes, for g.SAHARA or ECG/EMG/EGG, 125 cm lead, 2 pin safety connector, color: yellow

## g.GAMMAgel

Product No.	Product Name	Description
1021	g.GAMMAgel	special highly conductive high-viscosity electrode gel for g.GAMMAsys active electrodes, water-soluble, non-abrasive, non-greasy, non-irritant, non-corrosive, CE class 1 product, in doser can, 200g, easy insertion through electrode holes; no syringe included
1060	g.GAMMAgelSET	10 X g.GAMMAgel (1021)
1065	g.GAMMAgel BIGbag	5 liter bag with g.GAMMAgel. Is equal to volume of 22x g.GAMMAgel (1021) special highly conductive high-viscosity electrode gel for g.GAMMAsys active electrodes, water-soluble, non-abrasive, non-greasy, non-irritant, non-corrosive, CE class 1 product, easy insertion through electrode holes;
1067	g.GAMMA syringe	syringe to fill up g.LADYBIRD and g.BUTTERFLY electrodes with g.GAMMAgel
1050	g.GAMMAcream	special highly conductive high-viscosity electrode cream for long-term recording with g.GAMMAsys active electrodes, water-soluble, non-abrasive, non-greasy, non-irritant, non-corrosive, CE class 1 product, in doser can, 200g, easy insertion through electrode holes; incl. syringe (1067)
1030	"Elefix"	electrode gel for optimal low impedances; 400 g
1031	abrasive gel	to prepare the skin before EEG measurements; 500 g

## Electrode bundles

Product No.	Product Name	Description
1120	g.SCARABEO 16 bundle	bundle consisting of 1x g.GAMMAcap2SET, 17x g.SCARABEO, 2x g.SCARABEO 'Z', 2x g.SCARABEOgnd, 2x g.GAMMAearclip, 1x g.SCARABEO label set, 3x g.SCARABEO syringe, 1x g.SCARABEO cleaning brush set, 1x electrode cable sleeve for g.GAMMAcap2, 1x g.SCARABEO electrode holder rings, 1x Velcro straps (1x 1027_2, 17x 1085, 2x 1085'Z', 2x 1086, 2x 1039, 1x 1091A, 3x 1088, 1x 1089, 1x 1090, 1x 1087_2, 1x 1095)
1098	g.SCARABEO 64 bundle	bundle consisting of 1x g.GAMMAcap2SET, 70x g.SCARABEO, 2x g.SCARABEO 'Z', 2x g.SCARABEOgnd, 2x g.GAMMAearclip, 1x g.SCARABEO label set, 3x g.SCARABEO syringe, 1x g.SCARABEO cleaning brush set, 1x electrode cable sleeve for g.GAMMAcap2, 1x g.SCARABEO electrode holder rings, 1x Velcro straps (1x 1027_2, 70x 1085, 2x 1085'Z', 2x 1086, 2x 1039, 1x 1091B, 3x 1088, 1x 1089, 1x 1090, 1x 1087_2, 1x 1095)

1099	g.SCARABEO 128 bundle	bundle consisting of 1x g.GAMMAcap2SET, 135x g.SCARABEO, 2x g.SCARABEO 'Z', 2x g.SCARABEOgnd, 2x g.GAMMAearclip, 1x g.SCARABEO label set, 3x g.SCARABEO syringe, 1x g.SCARABEO cleaning brush set, 1x electrode cable sleeve for g.GAMMAcap2, 1x g.SCARABEO electrode holder rings, 1x Velcro straps (1x 1027_2, 135x 1085, 2x 1085'Z', 2x 1086, 2x 1039, 1x 1091C, 3x 1088, 1x 1089, 1x 1090, 1x 1087, 1x 1095)
1100	g.SCARABEO 256 bundle	bundle consisting of 1x g.GAMMAcap2SET, 270x g.SCARABEO, 2x g.SCARABEO 'Z', 2x g.SCARABEOgnd, 2x g.GAMMAearclip, 1x g.SCARABEO label set, 3x g.SCARABEO syringe, 1x g.SCARABEO cleaning brush set, 1x electrode cable sleeve for g.GAMMAcap2, 1x g.SCARABEO electrode holder rings, 1x Velcro straps, standard montage with g.GAMMAcap: max. 160 electrodes (1x 1027_2, 270x 1085, 2x 1085'Z', 2x 1086, 2x 1039, 1x 1091E, 3x 1088, 1x 1089, 1x 1090, 1x 1087_2, 1x 1095)
1111	g.GAMMAbundle for g.USBamp	consisting of g.GAMMAcap3SET; 17x g.LADYbird; 2x g.LADYbirdGND; 2x g.GAMMAearclip Ag/AgCl; 5x g.GAMMAgel; 1x g.GAMMAbox for 16 channels; 1x Active Electrode Driver Box Connector for g.USBamp; 3x g.GAMMAAsyringe (1027_3+17x1033+2x1034+2x1039+5x1021+1016a+1019a+3x1067)
1111B	g.GAMMAbundle for g.USBamp CSP	consisting of g.GAMMAcap3SET; 33x g.LADYbird; 2x g.LADYbirdGND; 2x g.GAMMAearclip Ag/AgCl; 5x g.GAMMAgel; 1x g.GAMMAbox for 16 channels; 1x g.EXTENSIONbox for g.GAMMAbox for additional 16 channels; 2x Active Electrode Driver Box Connector for g.USBamp; 3x g.GAMMAAsyringe (1027_3+33x1033+2x1034+2x1039+5x1021+1016a+1022+2x1019a+3*1067)
1114	g.GAMMAbundle for g.MOBlab+ 8 channel EEG version	consisting of g.GAMMAcap3SET; 9x g.LADYbird; 2x g.LADYbirdGND; 2x g.GAMMAearclip Ag/AgCl; 5x g.GAMMAgel; 1x g.GAMMAbox for 16 channels; 1x Active Electrode Driver Box Connector for g.MOBlab+ EEG; 3x g.GAMMAAsyringe (1027_3+9x1033+2x1034+2x1039+5x1021+1016a+1019b+3x1067)
1078	g.SAHARAsset 8, for g.USBamp	consisting of g.GAMMAcap2SET; 8x g.SAHARAElectrode, 7mm; 8x g.SAHARAElectrode, 16mm; 8x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for g.USBamp; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 8x1070a + 8x1070b + 8x1071 + 2x1072 + 2x1073 + 1x1074 + 2x1075 + 1x1019A + 1x1082)
1079	g.SAHARAsset 8, for g.BSamp	consisting of g.GAMMAcap2SET; 8x g.SAHARAElectrode, 7mm; 8x g.SAHARAElectrode, 16mm; 8x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for touch-proof medical connectors; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 8x1070a + 8x1070b + 8x1071 + 2x1072 + 2x1073 + 1x1074 + 2x1075 + 1x1019C + 1x1082)
1080	g.SAHARAsset 8, for g.MOBlab+	consisting of g.GAMMAcap2SET; 8x g.SAHARAElectrode, 7mm; 8x g.SAHARAElectrode, 16mm; 8x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for g.MOBlab+ EEG; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband and power connector; (1027_2 + 8x1070a + 8x1070b + 8x1071 + 2x1072 + 2x1073 + 1x1074 + 2x1075 + 1x1019B + 1x1082)
1081A	g.SAHARAsset 16, for g.USBamp, 7mm	consisting of g.GAMMAcap2SET; 16x g.SAHARAElectrode, 7mm; 16x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for g.USBamp; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 16x1070a + 16x1071 + 2x1072 + 2x1073 + 1x1074 + 2x1075 + 1x1019A + 1x1082)
1083A	g.SAHARAsset 16, for g.BSamp, 7mm	consisting of g.GAMMAcap2SET; 16x g.SAHARAElectrode, 7mm; 16x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for touch-proof medical connectors; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 16x1070a + 16x1071 + 2x1072 + 2x1073 + 1x1074 + 1x1019C + 2x1075 + 1x1082)
1081B	g.SAHARAsset 16, for g.USBamp, 16mm	consisting of g.GAMMAcap2SET; 16x g.SAHARAElectrode, 16mm; 16x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for g.USBamp; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 16x1070b + 16x1071 + 2x1072 + 2x1073 + 1x1074 + 2x1075 + 1x1019A + 1x1082)
1083B	g.SAHARAsset 16, for g.BSamp, 16mm	consisting of g.GAMMAcap2SET; 16x g.SAHARAElectrode, 16mm; 16x g.SAHARAClip; 2x g.SAHARAClipREF; 2x g.SAHARAClipGND; 1x g.SAHARABox; 1x Active Electrode Driver Box Connector for touch-proof medical connector; 2x adhesive mastoid electrodes (100 pcs); 1x anti static wristband & power connector; (1027_2 + 16x1070b + 16x1071 + 2x1072 + 2x1073 + 1x1074 + 1x1019C + 2x1075 + 1x1082)

## Possible accessories

Product No.	Product Name	Description
1009	ECG electrode cable with clip lead	3 leads/piece; 150 cm length; for disposable electrodes
1044	EOG sintered electrode, 14 mm	sintered Ag/AgCl electrode; diameter 14 mm; cable length: 150 cm, safety connector
1032	disposable Ag/AgCl electrodes	for EMG, ECG; 50 pieces; pre-gelled
1052	Linked-earlobes reference cable	connects a single earlobe reference electrode or connector to a pair of linked earlobe reference electrodes with two 5-kOhm serial resistors; for Ag/AgCl type electrodes (e.g. g.GAMMAearclip Ag/AgCl)
1053	Linked-earlobes reference cable for g.SAHARA	connects a single earlobe reference electrode or connector to a pair of linked earlobe reference electrodes with two 5-kOhm serial resistors; for g.SAHARA
1101	Ear-clip electrodes, Au	gold; to apply at the earlobes; 2 pieces
1042	double-sided adhesive washers	500 pieces; outer diameter 20 mm, inner diameter 5 mm for reusable EOG Ag/AgCl electrodes
1002	EEGelectrodes, gold	10 pieces; disk electrodes; electrode length 150 cm; 10 mm diameter
4500	g.BALDY	bald head made of styrofoam for perfect storage of all available caps from g.tec. color: white

# o6 Body Sensors

Temperature Sensor

Blood Pressure Monitoring Sensor

Snoring Sensor

Respiration Airflow Sensor

Respiration Effort Sensor

Oxygen Saturation Sensor

Galvanic Skin Response Sensor

Acceleration Sensor

Limb Movement Sensor

# O6 Body Sensors

## Possible attachable sensors

Product No.	Product Name	Description
2060	g.CNAPadapter	Analog interface box for connecting CNAP-Monitor multi pole bridge-output to 1.5mm touch proof connectors, length 4 m
2044A	g.CNAPsensor	continuous non-invasive arterial pressure monitor, with finger cuffs and upper arm cuff for calibration, graphic and numeric display; mains (110 – 230 V, 50/60 Hz) and battery powered, analog interface box (1x9V battery supplied), 1 mV=1 mmHg, output cable with touchproof connectors (2060) included, PRICE UPON REQUEST
2001	g.SNORINGsensor	piezo sensor; is intended to detect tracheal sounds; output approx. 1mVpp - recommended filter settings: 20-500Hz; no power supply needed; incl. jumper cable (0223), output: 1.5 mm touch proof connectors
2002	g.RESPsensor	piezoelectric respiration sensor; measures respiration efforts; output approx. 1mVpp - recommended Filter settings: 0.1 - 70 Hz; no power supply needed; incl. jumper cable (0223), output: 1.5 mm touch proof connectors
2035_2	g.GSRsensor2	galvanic skin response sensor with finger electrodes; 9V battery supplied; only connect to medical safe data acquisition system with $\pm 250$ mV inputs; 0(DC) - 20 Hz, output cable with touchproof connectors (2045) included
2037	g.TEMPsensor	sensor for changes in skin temperature (20 – 45 °C, accuracy 0.2 °C), 9V battery supplied, output 0 - 200 mV; DC - 1 Hz, output cable with touchproof connectors (2045) included
2039	g.Gsensor	range: $\pm 3g$ ; 3-axis-acceleration/vibration-sensor; with $\pm 250$ mV output, 9V battery supplied, output: 1.5 mm touch proof connectors
2040	g.LIMBSensor	piezo limb movement sensor, detects sudden movements during sleep, output max. $\pm 50$ mV, no power supply needed, incl. jumper cable (0223), output: 1.5 mm touch proof connectors
2041	g.SpO2sensor	oxygen saturation, finger sensor; output $\pm 250$ mV; DC - 1 Hz, 2xAA battery supplied, output cable with touchproof connectors (2046) included
2043	g.FLOWsensor	thermistor flow sensor (nose and mouth), battery life time min. 1 year, output: 1.5 mm touch proof connectors $\pm 1$ mV: DC - 20 Hz, incl. jumper cable (0223)
5099	g.Microphone	with safety connectors; output: $\pm 2$ mV; frequency: audio range, output: 1.5 mm touch proof connectors incl. jumper cable (0223)
2045	sensor output cable	multi-pole connector to 3x 1.5 touch-proof; 2 m
2046	sensor output cable for g.SpO2sensor	mult-pole connector to 5x 1,5 touch-proof; 2 m cable

# 07 Software Components

g.BSanalyze

Unity Toolbox

Support Equipment

# 07 Software Components

## gBSanalyze toolboxes

Product No.	Product Name	Description
O101	gBSanalyze: Base Version	advanced biosignal data processing toolbox, basic version, needed for using further gBSanalyze toolboxes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O101AE	gBSanalyze: Base Version [education price]	advanced biosignal data processing toolbox, basic version, needed for using further gBSanalyze toolboxes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]
O102	gBSanalyze: EEG-toolbox	specialised EEG processing toolbox: includes specialised functions for EEG data analysis; parameter extraction, result presentation according to an editable electrode arrangement, source derivation calculation and various methods for spectral analysis and comparison; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O102AE	gBSanalyze: EEG-toolbox [education price]	specialised EEG processing toolbox: includes specialised functions for EEG data analysis; parameter extraction, result presentation according to an editable electrode arrangement, source derivation calculation and various methods for spectral analysis and comparison; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]
O104A	gBSanalyze: ECG-toolbox part I	specialised ECG processing toolbox (according to the US/European task force) for HR (heart rate) and HRV (heart rate variability) analysis in time and frequency domain; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O104AE	gBSanalyze: ECG-toolbox part I [education price]	specialised ECG processing toolbox (according to the US/European task force) for HR (heart rate) and HRV (heart rate variability) analysis in time and frequency domain; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]
O103	gBSanalyze: Classify toolbox	specialised data classification toolbox, which enables to categorize patterns and signal features of biosignals into different classes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O103AE	gBSanalyze: Classify toolbox [education price]	specialised data classification toolbox, which enables to categorize patterns and signal features of biosignals into different classes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]
O11C	gBSanalyze: High-Resolution Toolbox	High resolution 3D-spline Laplacian and mapping software; allows to combine EEG analysis with the anatomy of the brain (M/R/F/M/R/CT data). It includes head model generation from M/R/CT segmented volumes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox and Image Processing Toolbox; plus stand-alone version without MATLAB
O110AE	gBSanalyze: High-Resolution Toolbox [education price]	High resolution 3D-spline Laplacian and mapping software; allows to combine EEG analysis with the anatomy of the brain (M/R/F/M/R/CT data). It includes head model generation from M/R/CT segmented volumes; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox and Image Processing Toolbox; plus stand-alone version without MATLAB [education price]
O11E	gBSanalyze: CFM-toolbox	amplitude integrated EEG calculation with automatic segmentation; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O115AE	gBSanalyze: CFM-toolbox [education price]	amplitude integrated EEG calculation with automatic segmentation; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]
O116	gBSanalyze: SPIKE toolbox	specialised spike processing toolbox: includes specialised functions for spike and position data analysis; spike rate, firing field, dwell time, statistical parameters; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB
O116AE	gBSanalyze: SPIKE toolbox [education price]	specialised spike processing toolbox: includes specialised functions for spike and position data analysis; spike rate, firing field, dwell time, statistical parameters; prerequisite: MATLAB for OS English Win 64Bit English, Signal Processing Toolbox; plus stand-alone version without MATLAB [education price]

## gBSanalyze Bundles

Product No.	Product Name	Description
O152	bundle price (gBSanalyze: EEG+ECG I)	gBSanalyze Base Version + gBSanalyze EEG-toolbox + gBSanalyze ECG-toolbox part I; bundle offer (O101+O102+O104A)
O152AE	bundle price (gBSanalyze: EEG+ECG I); [education price]	gBSanalyze Base Version + gBSanalyze EEG-toolbox + gBSanalyze ECG-toolbox part I; bundle offer (O101AE+O102AE+O104AE); [education price]
O153	bundle price (gBSanalyze: EEG+Classify)	brain computer interface analysis-- gBSanalyze Base Version + gBSanalyze EEG-toolbox + gBSanalyze Classify toolbox; bundle offer (O101+O102+O103)
O153AE	bundle price (gBSanalyze: EEG+Classify); [education price]	brain computer interface analysis-- gBSanalyze Base Version + gBSanalyze EEG-toolbox + gBSanalyze Classify toolbox; bundle offer (O101AE+O102AE+O103AE); [education price]

## Unity Toolbox

Product No.	Product Name	Description
O303	Unity toolbox	mastermind, space traveller controlled with P300 or cVEP based BC; 3D human avatar for rehabilitation applications; can be controlled via UDP messages, can be controlled with CSP model; program in Unity; prerequisite: gBO SOQ model, gBO cVEP model

## Support Equipment

Product No.	Product Name	Description
1401	gDiagnosis	Support tool that helps to improve and speed up the support process; creates a results file; return it to "support@glec.at"

# o8 Complete BCI Solutions

BCI Teaching Lab

intendiX

cortiQ

mindBEAGLE

recoveriX

# 08 Complete BCI Solutions

## BCI teaching lab

Product No.	Product Name	Description
6500	BCI teaching lab 4 systems	
6501	BCI teaching lab 8 systems	Delivery time on request
6502	BCI teaching lab 16 systems	Delivery time on request

## IntendiX

Product No.	Product Name	Description
6040	intendiX g.MOBilab+ EEG Version, NB included	consisting of: g.MOBilab+ EEG version; Bluetooth dongle; notebook; heavy duty case; g.GAMMAcap3 size M; g.GAMMAcap2BELT; g.GAMMAearclip; 8x g.LADYbird; g.GAMMAbox; Active Electrode Driver Box Connector for g.MOBilab+ EEG; g.LADYbirdGND; 3x g.GAMMAgel and intendiX software; bundle offer (5603+3016+3003+5050+1023m+1028+1039+8*1033+1016a+1019b+1034+3*1021+6043)
6041	intendiX g.MOBilab+ EEG Version for rent (1st month), NB included	consisting of: g.MOBilab+ EEG version; Bluetooth dongle; notebook; heavy duty case; g.GAMMAcap3 size M; g.GAMMAcap2BELT; g.GAMMAearclip; 8x g.LADYbird; g.GAMMAbox; Active Electrode Driver Box Connector for g.MOBilab+ EEG; g.LADYbirdGND; 3x g.GAMMAgel and intendiX software; bundle offer (5603+3016+3003+5050+1023m+1028+1034+8*1033+1016a+1019b+1039+3*1021+6043)
6042	intendiX g.MOBilab+ EEG Version for rent (each further month), NB included	consisting of: g.MOBilab+ EEG version; Bluetooth dongle; notebook; heavy duty case; g.GAMMAcap3 size M; g.GAMMAcap2BELT; g.GAMMAearclip; 8x g.LADYbird; g.GAMMAbox; Active Electrode Driver Box Connector for g.MOBilab+ EEG; g.LADYbirdGND; 3x g.GAMMAgel and intendiX software; bundle offer (5603+3016+3003+5050+1023m+1028+1039+8*1033+1016a+1019b+1034+3*1021+6043)
6048	intendiX Painting	single place licence
6052	intendiX additional boards	extension for the standard intendiX board

## cortiQ

Product No.	Product Name	Description
8032	cortiQ 80 channel bundle	complete solution for passive functional mapping with ECoG consisting of 1x g.Hlamp 80; 1x g.Power-g.Hlamp; 1x g.HEADbox-passive; 1x advanced business notebook, cortiQ software; for research only!, 2x cortiQ jumper cable, 1x cortiQ USB patient monitor, 1x Dongle (7001 + 7004 + 7006A + 3003B + 8050 + 2x 8040 + 8042 + 3060 )
8032A	g.Hlamp 80 channel upgrade to 144 channels	upgrade of existing system to 144 channels
8032B	g.Hlamp 80 channel upgrade to 256 channels	upgrade of existing 80 channel system to 256 channels
8032C	g.Hlamp 144 channel upgrade to 256 channels	upgrade of existing 144 channel system to 256 channels
8032D	cortiQ upgrade for existing g.Hlamp system	cortiQ upgrade for existing g.Hlamp system

## mindBEAGLE

Product No.	Product Name	Description
6200	mindBEAGLE	complete system for consciousness assessment and communication for patients with disorders of consciousness; consisting of: 1x g.USBamp; 1x g.Power - g.USBamp; 1x mindBEAGLE SW, single place license; 1x g.STIMbox; 3x g.VIBROstim; 1x g.SCARABEO 16 bundle; 1x g.GAMMAbox; 1x g.USBampGAMMAconnector; 5x g.GAMMAgel; ; 2x anti static armband and power socket connector; 1x in ear phone plugs; 1x business notebook; 1x mindBEAGLE audio trigger adapter box; 1x male to male audio connector; 1x mindBEAGLE trigger cable; 1x Dongle; 1x ASIO4ALL Driver; Dongle Driver; preassembled electrode cap (0216+0247+6250+1302+3x1305+1120+1016A+1019A+5x1021+2x1082+6260+3003+6262+6264 +6266+3060+6300+6251)

## recoveriX

Product No.	Product Name	Description
6400	recoveriX	motor-recovery neurotechnology; complete system for motor rehabilitation after stroke with neurofeedback;



# 09 Advanced Training and Education

Tutorials

Lectures

Books

# 09 Advanced Training and Education

## Books

Product No.	Product Name	Description
406C	A practical guide to brain computer interfacing with BC2000	Cerwin Schalk, Jürgen Mellinger A practical guide to successful Brain-Computer Interface experiments with the general-purpose software platform BC2000 ISBN: 978-1-84996-091-5
406E	Brain-Computer Interfaces Revolutionizing Human-Computer Interaction (The Frontiers Collection)	Edited by: Bernhard Graimann, Brendan Allison, Gert Pfurtscheller ISBN: 978-3-642-02090-2 Publisher: Springer Publication Date: 1. Edition, July 01, 2010
407C	Brain-Computer Interfaces Principle and practice	Jonathan R. Wolpaw, Elizabeth Winter Wolpaw A comprehensive and authoritative presentation of the current state of brain-computer interface research and development. ISBN: 978-0-19-538885-5

## Tutorials

Product No.	Product Name	Description
410C	Brain-Computer Interface Tutorial	Off-line EEG analysis of BC experiments with MATLAB; the tutorial shows how to find and extract proper signal features from EEG
410E	Building Real Time Analysis Tutorial	The tutorial shows how to build a Simulink model for real-time analysis
410I	P300 Accuracy Tutorial	The tutorial describes how to use the P300 Accuracy function of gBSanalyze
410E	Performing high resolution EEG mapping Tutorial	multi-channel EEG processing and mapping of EEG to anatomical data is shown
410E	64 channels VEP Tutorial	64-Channel Flash VEP Experiment using gHamp; the tutorial describes a simple visual evoked potential (VEP) experiment using gHamp
411C	Performing real time BC experiments Tutorial	this tutorial shows the usage of gUSBamp and gMOBilab for an EEG-based brain computer interface (BC)

## Lectures

Product No.	Product Name	Description
406C	Lecture 1: EEG	EEG teaching lecture
406I	Lecture 2 BC	BC teaching lecture
406E	Lecture 3 EOG	EOG teaching lecture
406E	Lecture 4 Evoked Potentials	Evoked Potentials teaching lecture
406I	Lecture 5 Physioobserver	Physioobserver teaching lecture
406E	Lecture 6 gNautilus Sports	This teaching lecture explains how EEG signals can be recorded during sports and other exercises where the subject has to move using the gNautilus biosignal amplifier. From the EEG signals Auditory Evoked Potentials can be recorded to test how physical motion like running on a treadmill or using the spinning wheel impacts the ability of a subject to concentrate on a simple repeated task.

# 10 Computer Hardware Accessories

# 10 Computer Hardware Accessories

## Administration

Product No.	Product Name	Description
3001A	business PC	business PC, software ready-to-go installation, with TFT screen, DVD writer
3002	business notebook	business notebook, software ready-to-go installation
3003B	advanced business notebook	advanced business notebook for high performance applications, software ready to go installation
L0001	Localization DE (standard)	destination specific power supply/keyboard layout DE
L0002	Localization CH	destination specific power supply/keyboard layout EN
L0003	Localization US	destination specific power supply/keyboard layout EN
L0004	Localization UK	destination specific power supply/keyboard layout EN
L0005	Localization CN	destination specific power supply/keyboard layout EN
L0006	Localization AU	destination specific power supply/keyboard layout EN