Sales Proposal

For: Dr. Gábor Háden
Institution: Hungarian Academy of Sciences
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences,
Address: Magyar tudósok körútja 2.
Budapest,
Hungary

Electrical Geodesics, Inc.
500 East 4th Avenue
Suite 200
Eugene, OR 97401 USA
Phone: +1.541.687.7962
Fax: +1.541.687.7963

Proposal Number: 2015-15972D
Proposal Date: March 20, 2017

Line	Item	Description	Qty	Unit Price USD	Total Price USD
1.	1400643	64 Channel Geodesic EEG System 400 with iMac Includes: - Net Amps 400 - Hospital Grade Isolation Transformer - iMac - Articulated Arm - Net Station Software License and HASP - Net Amp Wall Mount - Articulated Arm Wall Mount Bracket - Articulated Arm Table Mounting Bracket - Net Support Kit - 3 Day On-Site Installation and Training Visit - Amp Warranty: 1st & 2nd Yr Coverage	1	$30,000.00	$30,000.00
2.	2552000	Basic Support Contract: Small Lab Provides one year of Support at the Basic Support Contract level for labs with 1 to 4 EGI Systems. - includes all benefits as detailed in the Guide to Research Support Contracts.	2	$1,500.00	$3,000.00
3.	4731020	HCGSN 130: 64 Channel Adult Medium 56 - 58 cm	1	$2,000.00	$2,000.00
4.	4731040	HCGSN 130: 64 Channel Pediatric Large 51 - 54 cm	1	$2,000.00	$2,000.00
5.	4731050	HCGSN 130: 64 Channel Pediatric Small 47 - 51 cm	1	$2,000.00	$2,000.00
6.	4731100	HCGSN 130: 64 Channel Infant 44 - 47 cm	1	$2,000.00	$2,000.00
7.	S-WAR-NET-1000-064	Individual 64 Channel HCGSN Extended Warranty: 2nd Year Coverage for a 64 Channel HCGSN	4	$400.00	$1,600.00
8.	4608180	AV Device 2.0 Complete Package Independent measurement of millisecond timing accuracy	1	$1,000.00	$1,000.00
9.	4601418	AV Device Accessories Kit Includes: - AV Device / TTL Adapter - DB-25 to DB 25 (m to m) Cable - DB-9 to DB-9 (m to m) Cable	1	$395.00	$395.00
10.	4601100	Potassium Chloride (2 Lbs.) Classic KCl for rapid application for standard (2-hour) recording, No participant clean-up required	4	$40.00	$160.00

FEIN 93-1090642
Payment Terms: Irrevocable Letter of Credit Against Shipping Documents or Prepayment
IncoTerms: CIP
This Quote is valid for 90 days from the date of quote.
Delivery within 90 days after receipt of order.
We reserve the right to separately ship and invoice partial orders where production limitations require.
This quote is expressly limited to the General Terms and Conditions attached hereto.
No exceptions may vary in these terms unless agreed to by Electrical Geodesics in writing.

Sales Proposal

For: **Dr. Gábor Háden**
Institution: **Hungarian Academy of Sciences**
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences,
Address: Magyar tudósok körútja 2.
Budapest,
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Electrical Geodesics, Inc.
500 East 4th Avenue
Suite 200
Eugene, OR 97401 USA
Phone: +1.541.687.7962
Fax: +1.541.687.7963

Proposal Number: 2015-15972D
Proposal Date: March 20, 2017

Line	Item	Description	Qty	Unit Price USD	Total Price USD

Sub-Total	**$44,155.00**
Estimated Shipping and Handling *Does Not Include Taxes and Duties*	$1,500.00
Grand Total USD:	**$45,655.00**

Issue Date: March 20, 2017
Prepared By: *Viral Sheth*

ELECTRICAL GEODESICS, INC. CORPORATE SEAL 1992 DELAWARE

FEIN 93-1090642
Payment Terms: Irrevocable Letter of Credit Against Shipping Documents or Prepayment
IncoTerms: CIP
This Quote is valid for 90 days from the date of quote.
Delivery within 90 days after receipt of order.
We reserve the right to separately ship and invoice partial orders where production limitations require.
This quote is expressly limited to the General Terms and Conditions attached hereto.
No exceptions may vary in these terms unless agreed to by Electrical Geodesics in writing.

Sales Proposal

For: **Dr. Gábor Háden**
Institution: **Hungarian Academy of Sciences**
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences,
Address: Magyar tudósok körútja 2.
Budapest,
Hungary

Electrical Geodesics, Inc.
500 East 4th Avenue
Suite 200
Eugene, OR 97401 USA
Phone: +1.541.687.7962
Fax: +1.541.687.7963

Proposal Number: 2017-18785A
Proposal Date: March 20, 2017
Page: 1 of 1

Line	Item	Description	Qty	Unit Price USD	Total Price USD
1.	4731130	HCGSN 130: 64 Channel Infant 40 - 42 cm	1	$2,000.00	$2,000.00
2.	4731120	HCGSN 130: 64 Channel Infant 42 - 43 cm	1	$2,000.00	$2,000.00
3.	4731110	HCGSN 130: 64 Channel Infant 43 - 44 cm	2	$2,000.00	$4,000.00
4.	4731100	HCGSN 130: 64 Channel Infant 44 - 47 cm	1	$2,000.00	$2,000.00
5.	4732050	HCGSN 130: 128 Channel Pediatric Small 47 - 51 cm	1	$3,000.00	$3,000.00

Sub-Total	**$13,000.00**
Estimated Shipping and Handling *Does Not Include Taxes and Duties*	$350.00
Grand Total USD:	**$13,350.00**

Issue Date: March 20, 2017
Prepared By: *Viral Sheth*

ELECTRICAL GEODESICS INC CORPORATE SEAL 1992 DELAWARE

FEIN 93-1090642
Payment Terms: Irrevocable Letter of Credit Against Shipping Documents or Prepayment
IncoTerms: CIP
This Quote is valid for 90 days from the date of quote.
Delivery within 90 days after receipt of order.
We reserve the right to separately ship and invoice partial orders where production limitations require.
This quote is expressly limited to the General Terms and Conditions attached hereto.
No exceptions may vary in these terms unless agreed to by Electrical Geodesics in writing.

Subject: information request
From: Gábor Háden <haden.gabor@ttk.mta.hu>
Date: 2017.04.25. 18:33
To: info@cognionics.com

Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000 Hz.
- Suitable for testing infants 4-8 months of age, with head circumferences within the range of 38-48 cm.
- The electrodes can be applied on the head and ready to record in less than 15 minutes altogether. Application does not damage the scalp and does not use any contact material (e.g. gel) that needs to be washed off after recording.
- Electrodes can be used multiple times and are disinfect-able.
- The system has a software component to record EEG data and concurrently incoming trigger data coming from a parallel (LPT) port, with millisecond accuracy. The recorded data can be accessed in a format recognized by free processing software (e.g. EEGLab FieldTrip).
- Parts of the system that connect to the participant are isolated from line power, or work with battery.
- Has a CE certificate

If your company has a product that fulfills the above requirements please contact Dr. Gábor Háden by email at haden.gabor@ttk.mta.hu of by phone at +36 1 382 6808.

Yours faithfully,

Gábor Háden

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Subject: information request
From: Gábor Háden <haden.gabor@ttk.mta.hu>
Date: 2017.04.25. 18:40
To: info.europe@natus.com

Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000 Hz.
- Suitable for testing infants 4-8 months of age, with head circumferences within the range of 38-48 cm.
- The electrodes can be applied on the head and ready to record in less than 15 minutes altogether. Application does not damage the scalp and does not use any contact material (e.g. gel) that needs to be washed off after recording.
- Electrodes can be used multiple times and are disinfect-able.
- The system has a software component to record EEG data and concurrently incoming trigger data coming from a parallel (LPT) port, with millisecond accuracy. The recorded data can be accessed in a format recognized by free processing software (e.g. EEGLab FieldTrip).
- Parts of the system that connect to the participant are isolated from line power, or work with battery.
- Has a CE certificate

If your company has a product that fulfills the above requirements please contact Dr. Gábor Háden by email at haden.gabor@ttk.mta.hu of by phone at +36 1 382 6808.

Yours faithfully,

Gabor Haden

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Subject: információ kérés
From: Gábor Háden <haden.gabor@ttk.mta.hu>
Date: 2017.04.25. 18:49
To: info@amikkft.hu

Tisztelt Amik Kft.,

A Magyar Tudományos Akadémia, Természettudományi Kutatóközpont, Kognitív Idegtudományi és Pszichológiai Intézet, Hang- és Beszédészlelés Kutatócsoport (Budapest) olyan EEG felvevő rendszert kíván beszerezni, amely teljesíti az alábbi feltételeket:

- Legalább 64 csatornán tud párhuzamosan EEG-t rögzíteni, legalább 1000 Hz mintavételi frekvenciával.
- Alkalmas 4-8 hónapos életkorú csecsemők vizsgálatára a 38-48 cm fejkörfogat tartományban.
- Az elektródák felhejezési ideje összesen kevesebb mint 15 perc, a felhelyezés nem sérti a fejbőrt és nem szükséges hozzá kontaktusanyag (gél), melyet a vizsgálat után le kell mosni.
- Az elektródák többször használhatóak és fertőtleníthetőek.
- Rendelkezik olyan szoftverrel, amely rögzíti az EEG adatokat és ezekkel együtt milliszekundum pontossággal külső triggerjel fogadására és rögzítésére is képes, párhuzamos (LPT) porton keresztül. A felvett adatok olyan formátumban is kinyerhetőek, amelyek ingyenes szoftverek segítségével (pl. EEGLab, FieldTrip) is feldolgozhatóak.
- Vizsgálati személlyel érintkező részei hálózazi áramforrástól leválaszottak, vagy akkumulátorról működnek.
- Rendelkezik CE tanusítvánnyal.

Amennyiben cégük rendelkezik a fenti feltételeknek megfelelő termékkel, kérem vegyék fel a kapcsolatot Dr. Háden Gáborral a haden.gabor@ttk.mta.hu emailcímen vagy a +36 1 382 6808 telefonszámon.

Tisztelettel,
Háden Gábor

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Subject: információ kérés
From: Gábor Háden <haden.gabor@ttk.mta.hu>
Date: 2017.04.25. 18:55
To: neurotrend@upcmail.hu

Tisztelt Neurotrend Kft.,

A Magyar Tudományos Akadémia, Természettudományi Kutatóközpont, Kognitív Idegtudományi és Pszichológiai Intézet, Hang- és Beszédészlelés Kutatócsoport (Budapest) olyan EEG felvevő rendszert kíván beszerezni, amely teljesíti az alábbi feltételeket:

Legalább 64 csatornán tud párhuzamosan EEG-t rögzíteni, legalább 1000 Hz mintavételi frekvenciával.

Alkalmas 4-8 hónapos életkorú csecsemők vizsgálatára a 38-48 cm fejkörfogat tartományban.

Az elektródák felhejezési ideje összesen kevesebb mint 15 perc, a felhelyezés nem sérti a fejbőrt és nem szükséges hozzá kontaktusanyag (gél), melyet a vizsgálat után le kell mosni.

Az elektródák többször használhatóak és fertőtleníthetőek.

Rendelkezik olyan szoftverrel, amely rögzíti az EEG adatokat és ezekkel együtt milliszekundum pontossággal külső triggerjel fogadására és rögzítésére is képes, párhuzamos (LPT) porton keresztül. A felvett adatok olyan formátumban is kinyerhetőek, amelyek ingyenes szoftverek segítségével (pl. EEGLab, FieldTrip) is feldolgozhatóak.

Vizsgálati személlyel érintkező részei hálózazi áramforrástól leválaszottak, vagy akkumulátorról működnek.

Rendelkezik CE tanusítvánnyal.

Amennyiben cégük rendelkezik a fenti feltételeknek megfelelő termékkel, kérem vegyék fel a kapcsolatot Dr. Háden Gáborral a haden.gabor@ttk.mta.hu emailcímen vagy a +36 1 382 6808 telefonszámon.

Tisztelettel,
Háden Gábor

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences

H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Subject: EEG
From: Szabó Gábor <neurotrend@upcmail.hu>
Date: 2017.04.26. 9:24
To: <haden.gabor@ttk.mta.hu>

Tisztelt Háden Gábor !

Az EEG készülékre, és elektróda sapkára amelynek specifikációját részünkre megküldték kielégítő ajánlatot tudunk adni. A megfelelő referenciákkal rendelkező Neuroscan gyártmányt tudom ajánlani. A részletekről és pontosabb konfigurációról amely az árat befolyásolja egyeztetést ajánlok, Önnek megfelelő időpontban.

Üdvözlettel

Szabó Gábor

Subject: AW: AW: EEG system neuroCare Group
From: García Cossio, Eliana <eliana.garcia.cossio@neurocaregroup.com>
Date: 2017.04.27. 17:12
To: Gábor Háden <haden.gabor@ttk.mta.hu>

Dear Gabor,

Please find attached the corresponding quotation. If you provide a VAT number from your institution you won't need to pay the taxes in Germany but the ones in Hungary.

I would really appreciate if you could let me know when do you plan your decision to choose the system.

Let me know if you have any additional questions.

Best regards,
Eliana

Dr. Eliana García Cossio
Customer Account Manager Science
neuroCare Group
neuroCare Group

| e-mail | eliana.garcia.cossio@neurocaregroup.com
| tel | +49 89 215 471 299 8
| mobile | +49 160 382 28 24
| web | www.neurocaregroup.com
| twitter | @neuroclinics @neuroconn
| LinkedIn | neuroCare Group

neuroCare Group GmbH
Rindermarkt 7
80331 Munich
Germany

Headquarters: Munich
District Court Munich, HRB 212 173
Executive Chairman: Thomas Mechtersheimer
Managing Director: Klaus Schellhorn

Von: Gábor Háden <haden.gabor@ttk.mta.hu>
Gesendet: Donnerstag, 27. April 2017 15:05:45
An: García Cossio, Eliana
Betreff: Re: AW: EEG system neuroCare Group

Dear Eliana,

Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu
http://www.ttk.mta.hu/en

Best,
Gábor

On 2017.04.27. 15:02, García Cossio, Eliana wrote:

> Dear Gabor,
>
> Thank you very much for your reply.
>
> Could you please provide your full contact details included address and institute/university for preparing the quotation?
>
> Looking forward for your reply.
> Best,
> Eliana
>
> ---
>
> **Dr. Eliana García Cossio**
> Customer Account Manager Science
> neuroCare Group
> neuroCare Group
>
> | e-mail | eliana.garcia.cossio@neurocaregroup.com
> | tel | +49 89 215 471 299 8
> | mobile | +49 160 382 28 24
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> 80331 Munich
> Germany
>
> Headquarters: Munich
> District Court Munich, HRB 212 173
> Executive Chairman: Thomas Mechtersheimer
> Managing Director: Klaus Schellhorn
>
> ---

Von: Gábor Háden <haden.gabor@ttk.mta.hu>
Gesendet: Donnerstag, 27. April 2017 14:26:10
An: García Cossio, Eliana
Betreff: Re: EEG system neuroCare Group

Dear Eliana,

Thank you for your reply. Could you please prepare an official quote for a 64 channel system with 5 electrode caps covering the 4-8 month old age group. Generally we would like to consider all our options before making a decision.

Best regards,
Gábor Háden

On 2017.04.26. 9:09, García Cossio, Eliana wrote:

> Dear Mr. Haden,
>
> We have received your request regarding your interest in our EEG system.
>
> You described a list of requirements that the system needs to follow in order to be able to fit your research.
>
> Our EEG systems NEURO PRAX® EEG seams (see attached PDF for a description of technical specifications) to follow most of your requirements. Below I would like to go point by point on your list:
>
> • Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000 Hz: YES, up to 128 channels.
> • Suitable for testing infants 4 8 months of age, with head circumferences within the range of 38-48 cm: YES, our caps from EasyCap fit infants (cover sizes from **36** (newborn), **38**, **40** (3 months), **42**, **44** (7 months), **46**, **48** (3 years) to **50)**.
> • The electrodes can be applied on the head and ready to record in less than 15 minutes altogether. Application does not damage the scalp and does not use any contact material (e.g. gel) that needs to be washed off after recording: NO. Our electrodes are Ag/AgCl and require gel like Abralyt or TEN-20 paste, which needs to be washed after the recording. This is so far the best method that guarantees excellent signal to noise ratio in your EEG signals.
> • Electrodes can be used multiple times and are disinfect-able: YES.
> • The system has a software component to record EEG data and concurrently incoming trigger data coming from a parallel (LPT) port, with millisecond accuracy. The recorded data can be accessed in a format recognized by free processing software (e.g. EEGLab FieldTrip): YES (available PlugIn in EEGLab).
> • Parts of the system that connect to the participant are isolated from line power, or work with battery: YES.
> • Has a CE certificate: YES (CE0123 Medical Product) (See attached document).
>
> I would be happy to discuss in detail your questions regarding our NEURO PRAX® EEG 64 channels.
>
> Please let me know if I should prepare an official quote for you.
>
> Best regards,
> Eliana

Dr. Eliana García Cossio
Customer Account Manager Science
neuroCare Group
neuroCare Group

| e-mail | eliana.garcia.cossio@neurocaregroup.com
| tel | +49 89 215 471 299 8
| mobile | +49 160 382 28 24
| web | www.neurocaregroup.com
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Gabor Peter Haden, PhD
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--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
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Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Attachments:

AG-EMEA-2017-1304_HU_Budapest_Haden_NP64.pdf	237 KB

Subject: RE: information request
From: "Francisco Fernandes" <fernandes@gtec.at>
Date: 2017.04.27. 16:47
To: 'Gábor Háden' <haden.gabor@ttk.mta.hu>

Hello Gábor,

I have attached 3 offers that might fit to your needs:

OF 467 – I would recommend this one, it is also the less costy one. It includes all the software and hardware necessary: 64 wet eeg electrodes + the possibility of adding 12 bipolar channels to your recordings (with sensors or emg/ecg). The software record in hdf5 file format but we provide a converter to .mat. Please have a look on this video: https://www.youtube.com/watch?v=HAVzuRddjq0 . Here we show you how fast and reliable this system is even with such a big amount of channels. This system is being used by several Paediatric Institutions for recording of EEG on children (one name that immediately pops up is the Orland Children's Hospital in Florida, US).

OF 470 – This is the offer with 4 g.USBamp and all the connectors and bundles to run a 64 channel dry version electrodes. All the 4 amplifiers will be synchronized with hardware so no delay or jitter occurs.

OF 471 – This is the same as OF 467 but with Dry electrodes.

Please have a look and tell me what you think about them.

Best regards from Austria,
Francisco

From: Gábor Háden [mailto:haden.gabor@ttk.mta.hu]
Sent: Thursday, April 27, 2017 1:58 PM
To: Francisco Fernandes
Subject: Re: information request

Dear Francisco,

I would love to hear more details about g.USBamp and g.Sahara dry electrodes. Do you have any references for dry electrode use in young infants? Do you have the requested small cap sizes?
Our budget is about €50000.

Best regards,
Gábor Háden

On 2017.04.26. 16:17, Francisco Fernandes wrote:

> Dear Gábor,
>
> My name is Francisco Fernandes and I am the Sales Agent responsible for the Hungarian market.
> I do believe we have systems that fit exactly to your needs!
> For example, you could get a 64 channel g.USBamp system with g.Sahara dry electrodes (http://www.gtec.at/Products/Electrodes-and-Sensors/g.SAHARA-Specs-Features). These electrodes do not require any gel and is not necessary cleaning in between subjects (for hygienic reasons you could in fact clean the electrodes with ethanol cloth once in a while). These electrodes are high quality and have a life spawn of around 8 years (longer if maintained carefully).
> You can easily apply triggers directly to the amplifier either with cable to the parallel port of a

computer or with our trigger box with which you can use push buttons, photovoltaic sensors, microphones, etc to create and record TTL triggers synchronized with the EEG. The amplifier has a sampling rate of up to 38kHz. We also have 6 sizes of caps, 3 of them adapted to infants, the chin strap will not allow them to remove the cap by themselves or by any movement.
For recording you can either use Matlab/Simulink – we have interfaces ready to run just for you – or use our own stand-alone recording software and then use EEGlab to analyse the data.
The amplifier is CE certified and FDA cleared for use as a medical biosignal acquisition device.

We would have a second option with our new Wireless amplifier g.Nautilus. Everything said before fits to this amplifier except that, because of the limitations of data transmition using Wifi technology, its sampling rate is of maximum 500 Hz. Of course that this amp has the big plus of being light and cordless, making it easy to apply to children as they do not have their movements restricted, the amplifier has a range of 10 meters.

Do you have any idea of your budget? I will make a quotation according to your needs.

Best regards,
Francisco

PS: Just to let you know about our upcoming events:
BNA Festival of Neuroscience from April 10 – 13, 2017 in Birmingham, UK
AAN 2016 Annual Meeting from April, 22 – 29, 2017 in Boston, USA
3rd International Conference on Neurological Disorders and Stroke from April 24 – 25, 2017 in Dubai, UAE
Seminar with Fysioline from May, 9, 2017 in Tiistaina, FN
REHAB Karlsruhe from May, 11 – 13, 2017 in Karlsruhe, DE
First Annual Meeting Research Consortium Interfaces from May, 16 – 17, 2017 in Granada, ES
Neurotalk from May 22 – 24, 2017 in Barcelona, ES
IEEE EMBS from May, 25 – 28, 2017 in Shanghai, CN
Canadian Neuroscience Meeting from May, 28 – 31, 2017 in Montreal, CAN
The Brain Forum from May, 29 – 30, 2017 in Lausanne, CH
NeuroRehab London (European Neuro Convention) from June, 07 – 08, 2017 in London, UK
10th Int. Symposium on Memory & Awareness in Anaesthesia from June, 18 – 21, 2017 in Helsinki, FI
mindBEAGLE Seminar from June, 23 – 24, 2017 in Schiedlberg, AT
OHBM 2017 - Human Brain Mapping from June, 25 – 29, 2017 in Vancouver, CAN
recoveriX Seminar from June 30 – July 01, 2017 in Schiedlberg, AT
HCI from July, 9 – 14, 2017 in Vancouver, CAN
EMBC from July 11 – 15, 2017 in Jeju Island, KR
cortiQ Seminar from July, 21 – 22, 2017 in Schiedlberg, AT
1st International Summer Institute on Network Physiology from July, 24 – 29, 2017 in Como, IT

Would be nice to meet you there!

We just printed a new g.tec product catalog. Please let me know if I should send you one.
A PDF version of the new catalog can be found under the following link:
http://www.gtec.at/content/download/34836/303501/version/1/

Connect with me on LinkedIn

g.tec GUGER TECHNOLOGIES

Francisco Fernandes, BA
g.tec medical engineering GmbH
Sierningstrasse 14, 4521 Schiedlberg, Austria
phone: +43 7251 22240 21
fax: +43 7251 22240 39
e-mail: fernandes@gtec.at
web: www.gtec.at

Facebook: ***https://www.facebook.com/gtecmedical***
Twitter: ***gtec_BCI***
Youtube: ***http://www.youtube.com/user/bcichristoph***
Blog: ***blog.gtec.at***

From: g.tec Office [mailto:office@gtec.at]
Sent: Wednesday, April 26, 2017 3:53 PM
To: fernandes@gtec.at
Subject: FW: information request

Hey,

Nice inquiry from Hungary.

Best regards,
Armin

From: Gábor Háden [mailto:haden.gabor@ttk.mta.hu]
Sent: 25 April 2017 18:32
To: office@gtec.at
Subject: information request

Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000 Hz.
- Suitable for testing infants 4-8 months of age, with head circumferences within the range of 38-48 cm.
- The electrodes can be applied on the head and ready to record in less than 15 minutes altogether. Application does not damage the scalp and does not use any contact material (e.g. gel) that needs to be washed off after recording.
- Electrodes can be used multiple times and are disinfect-able.
- The system has a software component to record EEG data and concurrently incoming trigger data coming from a parallel (LPT) port, with millisecond accuracy. The recorded data can be accessed in a format recognized by free processing software (e.g. EEGLab FieldTrip).
- Parts of the system that connect to the participant are isolated from line power, or work with battery.
- Has a CE certificate

If your company has a product that fulfills the above requirements please contact Dr. Gábor

Háden by email at haden.gabor@ttk.mta.hu of by phone at +36 1 382 6808.

Yours faithfully,

Gabor Haden

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Attachments:

OF_2017_04_470_HungarianAcademyofSciences_Háden_HU.PDF	33,1 KB
OF_2017_04_467_HungarianAcademyofSciences_Háden_HU.PDF	31,2 KB
OF_2017_04_471_HungarianAcademyofSciences_Háden_HU.PDF	38,9 KB

neuroCare Group GmbH · Rindermarkt 7 · 80331 München · GERMANY

Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences
Dr. Gabor Peter Haden
Magyar tudósok körútja 2
H-1117 Budapest
HUNGARY

neuroCare Group GmbH
Rindermarkt 7
80331 München
GERMANY
T +49-89-215471 2990
F +49-89-215471 2991
Web: www.neurocaregroup.com
Email: info@neurocaregroup.com

Quotation AG-EMEA-2017-1304
of 27.04.2017

Contact: Dr. Eliana Garcia Cossio
Tel. direct: +49-89-215 471 2995
Email: ega@neurocaregroup.com

NEURO PRAX® EEG 64
- Your request via email -

Dear Dr. Haden,

Thank you very much for your interest in our products. We are pleased to submit you a quotation for our NEURO PRAX® EEG 64 .

Should you have further questions, please don't hesitate to contact us.

Yours sincerely,

neuroCare Group GmbH

continuing page 2

Pos.	Qty.	Item	Description	Unit	Amount
1	1 piece	201020	NEURO PRAX® EEG, 64-channel full-band DC-EEG system - Complete system for full-band DC-EEG signal generation - suitable for clinical EEG, ECG, EMG and polygraphy _____ NEURO PRAX® DC-EEG AMPLIFIER 64 - 64 unipolar channels for EEG (full-band DC-EEG), ECG, EMG - 24bit resolution, sampling rate up to 2kHz, input impedance > 10GOhm - integrated, rechargeable batteries, incl. charger NEURO PRAX® THERAPIST (Panel-PC) - Intel® Core™ i - CPU, 2.0GHz or higher, RAM 8GB, hard disk 500GB, USB 2.0, network connection, 15" TFT color monitor - operating system Windows 7 _____ - Software for conduction and evaluation of the clinical EEG and quantitative EEG analysis (Q-EEG) - patient database with medication and examination calendar - topographical analysis, spectral and amplitude mapping - additional "Backup Tool" software for backing up data to external media via USB interface - additional "PDF printer" software to create PDF documents from patient data and readings – ADAPTOR BOX 64 - 64 channels, DIN sockets, connection cable – Transport case set (Peli™) - Panel-PC: padded, trolley with handle and wheels - Amplifier: padded, with handle – Installation and instruction (Additional equipment required)	29,990.00	29,990.00
2		Z001	Power frequency 50Hz		
3		Z011	System is NOT prepared for use of ACTIVE SYNC - e.g. necessary for synchronization with DC-STIMULATOR MC		
4		Z104_NP	Language package NP English (component of main unit) - keyboard, mouse, software		
5		Z202_NP_DE	Regional package Germany + Austria (component of main unit) - power supply cable		

continuing page 3

neuroCare Group GmbH
Rindermarkt 7
80331 München
Germany

T +49-89-215471 2990
F +49-89-215471 2991
www.neurocaregroup.com
info@neurocaregroup.com

Managing Directors
Klaus Schellhorn

VAT Reg.No.
DE295572011
Commercial Register
Amtsgericht München HRB 212 173

Commerzbank
IBAN DE02820400000507739100
SWIFT-BIC COBADEFFXXX
Account no. 507739100
Bank Code 82040000

6	5 piece	905260	EEG electrode cap 64 - cap with integrated chin strap - 61 adapters for annular electrodes - 4 additional adapters - available in size 52, 54, 56, 58 and 60 (please indicate size when ordering) Note: 38, 40, 42, 44 , 46 sizes	553.00	2,765.00
7	1 piece	905116	Sintered Ag/AgCl annular electrode - suitable for EEG, ECG and EMG - 65 pieces*with labeling, on both sides (1... 64 and GND)	1,918.00	1,918.00
8	1 piece	905800	Starter set for EEG caps - consisting of: 1 ABRALYT HiCl (1,000g) - 2 syringes*100 cotton buds (non-sterile) - 6 adaptors for annular electrodes - 500 sticking rings for EOG electrodes - 1 electrode paste Ten20 (114g) - 1 abrasive paste Nuprep (114g)	149.00	149.00
9	1 piece	202070	8-channel trigger input for NEURO PRAX® amplifiers	560.00	560.00
10	1 piece	203073	OPTICAL TRIGGER MODULE 8 – for connecting external trigger sources to NEURO PRAX® amplifier - 8 BNC-trigger inputs (TTL/CMOS), galvanic isolation - separate power supply, optical fiber cable (length 20m) - transport case	2,040.00	2,040.00
11	1 piece	904310	Software module "Export-Tool" - for exporting readings in other formats (EDF+, EDF, ASCII, MATLAB, EEG-LAB, BESA, BVA etc.)	790.00	790.00
12			Packaging	3.50	7.00
13			Shipping	70.00	70.00

OPTIONS

THE FOLLOWING OPTIONS ARE NOT INCLUDED IN QUOTATION'S AMOUNT

14	piece	904350	Software module for connecting to MATLAB®/ Simulink® or C++ - reading out and transferring data of PRAX® systems to MATLAB® / Simulink® or C++ - online-access to EEG data through an additional USB interface (USB MODULE) at external computers - incl. sample application	1,540.00	
15	piece	904360	Software module for online data access via Ethernet using TCP/IP - access to the EEG raw data - incl. sample application	1,960.00	

continuing page 4

Pos.	Qty.	Item	Description	Unit	Amount
			Net Price	**EUR**	**38,289.00**
			VAT Amount (19% VAT)	EUR	7,274.91
			Amount incl. VAT	**EUR**	**45,563.91**

Additional packaging and shipping costs accrue on single orders.

continuing page 5

neuroCare Group GmbH
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Managing Directors
Klaus Schellhorn

VAT Reg.No.
DE295572011
Commercial Register
Amtsgericht München HRB 212 173

Commerzbank
IBAN DE02820400000507739100
SWIFT-BIC COBADEFFXXX
Account no. 507739100
Bank Code 82040000

WARRANTY

The warranty (guarantee) only covers original equipment supplied by neuroConn. Any modifications or extensions to the hardware and / or software not approved by neuroConn will invalidate amy warranty claims.

Warranty:	12 months or implied warranty
Guarantee:	12 months, bring in, consumable supplies such as electrodes and cables are always excluded from the guarantee
Terms of payment:	14 days net without deductions
Quotation is valid for:	30 days
Delievery period:	2 to 4 weeks

neuroCare Group GmbH
Rindermarkt 7
80331 München
Germany

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www.neurocaregroup.com
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Managing Directors
Klaus Schellhorn

VAT Reg.No.
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Amtsgericht München HRB 212 173

Commerzbank
IBAN DE02820400000507739100
SWIFT-BIC COBADEFFXXX
Account no. 507739100
Bank Code 82040000

Tisztelt xxx Kft.,

A Magyar Tudományos Akadémia, Természettudományi Kutatóközpont, Kognitív Idegtudományi és Pszichológiai Intézet, Hang- és Beszédészlelés Kutatócsoport (Budapest) olyan EEG felvevő rendszert kíván beszerezni, amely teljesíti az alábbi feltételeket:

- Legalább 64 csatornán tud párhuzamosan EEG-t rögzíteni, legalább 1000 Hz mintavételi frekvenciával.
- Alkalmas 4-8 hónapos életkorú csecsemők vizsgálatára a 38-48 cm fejkörfogat tartományban.
- Az elektródák felhelyezési ideje összesen kevesebb mint 15 perc, a felhelyezés nem sérti a fejbőrt és nem szükséges hozzá kontaktusanyag (gél), melyet a vizsgálat után le kell mosni.
- Az elektródák többször használhatóak és fertőtleníthetőek.
- Rendelkezik olyan szoftverrel, amely rögzíti az EEG adatokat és ezekkel együtt milliszekundum pontossággal külső trigger-jel fogadására és rögzítésére is képes, párhuzamos (LPT) porton keresztül. A felvett adatok olyan formátumban is kinyerhetőek, amelyek ingyenes szoftverek segítségével (pl. EEGLab, FieldTrip) is feldolgozhatóak.
- Vizsgálati személlyel érintkező részei hálózati áramforrástól leválasztottak, vagy akkumulátorról működnek.
- Rendelkezik CE tanúsítvánnyal.

Amennyiben cégük rendelkezik a fenti feltételeknek megfelelő termékkel, kérem vegyék fel a kapcsolatot Dr. Háden Gáborral a haden.gabor@ttk.mta.hu emailcímen vagy a +36 1 382 6808 telefonszámon.

Tisztelettel,
Háden Gábor

Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000 Hz.
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- Parts of the system that connect to the participant are isolated from line power, or work with battery.
- Has a CE certificate

If your company has a product that fulfills the above requirements please contact Dr. Gábor Háden by email at haden.gabor@ttk.mta.hu of by phone at +36 1 382 6808.

Yours faithfully,

Gabor Haden

g.tec medical engineering GmbH

Sierningstrasse 14
AT-4521 Schiedlberg
Tel: +43-7251/22240
Fax: +43-7251/22240-39

Hungarian Academy of Sciences
Institute for Psychology
Attn. Mr. Gábor Háden
P.O.B. 398
1394 Budapest
HUNGARY

Your VAT no.: HU

OF-2017-04-467

Date:	**27.04.2017**
Customer no.:	6,447
Responsible P.:	Fernandes
Page:	1 / 3
Delivery Type:	Courier Service
Terms of payment:	payable within 30 days, strictly net

Offer: HIAMPGEL

Dear Mr. Háden,

Pos	Article no.	Description	Quantity QU	Price/pc.	Total price

80 Channel amplifier with gel electrodes

01.01	8018	g.HIamp 80 bundle	1 pcs	39.900,00	39.900,00

bundle offer consisting of: g.HIamp 80 (7001):
g.tec's multi-modal biosignal amplifier with USB interface; 64+16 channels; bi-, unipolar recordings; can be upgraded to a 144 or 256 channel system; 16 digital trigger inputs to synchronize with external events; integrated electrode impedance check; CE-certified medical device EN 60601-1 (IEC 60601-1); device driver for Microsoft Windows 7 32/64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors, classification of device: safety class II, type of applied part CF, conformity class IIa; FDA listed; g.HIamp water-proof heavy duty case (7051); 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)*

furthermore including: g.Power - g.HIamp, 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.GAMMAgelSET; (7004, 7005, 7007, 1098, 0167d, 7276a, 0101ae, 0102ae, 1060)

001.	7001	g.HIamp 80, silvergrey, color code: A08	1 pcs
001.01.	7001DEV	g.HIamp 80 Device	1 pcs
001.02.	7004	g.Power – g.HIamp	1 pcs
001.03.	7282	g.HIamp USB cable	1 pcs
001.04.	7051	g.HIamp water-proof heavy duty case	1 pcs
001.05.	0001	power cord (EURO/US/other, depending on destination) IEC320-C13	1 pcs
001.06.	7006A	g.HEADbox - passive	1 pcs
001.06.01.	7006ADEV	g.HEADbox - passive device	1 pcs
001.06.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs
001.07.	7000F	g.HIamp spare fuse	2 pcs
003.	1098	g.SCARABEO 64 bundle	1 pcs
003.01.	1085	g.SCARABEO	70 pcs
003.02.	1085Z	g.SCARABEO 'Z'	2 pcs
003.03.	1086	g.SCARABEOgnd	2 pcs
003.04.	1039	g.GAMMAearclip Ag/AgCl	2 pcs

Hungarian Academy of Sciences
Institute for Psychology
P.O.B. 398
1394 Budapest
HUNGARY

g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Total price
003.05.	1027_2	g.GAMMAcap2SET, 2mm	1 pcs		
003.05.01.	1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs		
003.05.02.	1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs		
003.05.03.	1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs		
003.05.04.	1028	g.GAMMAcapBELT	1 pcs		
003.06.	1091B	g.SCARABEO label set 64	1 pcs		
003.06.01.	1091LAB64	g.SCARABEO label 1 - 64	3 pcs		
003.06.02.	1091ADH	g.SCARABEO label tag	72 pcs		
003.06.03.	1095	Velcro strap	10 pcs		
003.07.	1088	g.SCARABEO syringe	3 pcs		
003.08.	1089	g.SCARABEO cleaning brush set	1 pcs		
003.08.01.	1089A	g.SCARABEO "easy brush" set	1 Stk		
003.08.02.	1089B	g.SCARABEO spare brushes "inter dental"	1 Stk		
003.08.03.	1089C	g.SCARABEO brush "inter dental"	1 pcs		
003.09.	1087_2	g.SCARABEO electrode holder ring	1 pkg		
003.10.	1090	electrode cable sleeve for g.GAMMAcap	1 pcs		
004.	0167D	g.Recorder for g.HIamp	1 pcs		
005.	7005	g.HEADbox - active	1 pcs		
005.01.	7005DEV	g.HEADbox - active device	1 pcs		
005.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs		
005.03.	7009	g.HEADboxPOWER	1 pcs		
006.	7007	g.HEADbox16 - passive	1 pcs		
006.01.	7007DEV	g.HEADbox16 - passive	1 pcs		
006.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs		
007.	7276A	trigger cable for g.HIamp for DIG IN 1	1 pcs		
008.	0101AE	g.BSanalyze: Base Version [education price]	1 pcs		
009.	0102AE	g.BSanalyze: EEG-toolbox [education price]	1 pcs		
010.	1060	g.GAMMAgelSET	1 pcs		
010.01.	1021	g.GAMMAgel	10 pcs		
010.02.	1067	g.GAMMAsyringe	2 pcs		
013.	3060	Dongle (incl. driver)	1 pcs		
01.02	30002	Delivery costs	1 pcs	90,00	90,00

Delivery Terms

The goods will be delivered as soon as possible normally within 8 to 14 weeks. Delivery time for customized items can last up to 18 weeks.

Subtotal:	EUR	39.990,00
Total amount:	**EUR**	**39.990,00**

Transition of tax liability to the service consignee.

Hungarian Academy of Sciences
Institute for Psychology
P.O.B. 398
1394 Budapest
HUNGARY

g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Total price

Shipment with UPS
Special Warranty: 60 months (= 5 years) for g.USBamp, g.BSamp, g.MOBIlab+ and g.HIamp amplifiers!
All other items except consumables have a 1 year warranty.

Deposit of 30% necessary at order
Delivery period: 8-14 weeks after deposit if not otherwise stated.

In case of order send the offer back with your company stamp, signature, and your VAT No. for tax free European Union transfers.

Prices are excl. tax/duties. The offer is valid for 4 weeks.
This price is only valid in your territory.

When placing an order, the customer assigns g.tec to organize transport and insurance of the ordered goods on behalf of the customer.
Arising costs of transport and insurance are
charged to the customer separately.
Please indicate your BIC/SWIFT and IBAN for bank transfers.

Binding prices are based on costs in Euro obtaining at the time of this quotation. In case the costs or exchange rates have increased by the time of delivery, g.tec shall have the right to adjust prices accordingly.

Please note that the Instructions for Use of our products are only available in English language. With your order you confirm that you accept this circumstance.

All deliveries effected by g.tec shall be subject to retention of title. Title to the delivered goods shall remain with g.tec until the purchase price - including any and all additional fees - has been fully paid.
When placing an order, you agree to our general terms and conditions which may be viewed at
http://www.gtec.at/content/download/2180/13147/file/AGB_gtec.pdf

g.tec medical engineering GmbH

Sierningstrasse 14
AT-4521 Schiedlberg
Tel: +43-7251/22240
Fax: +43-7251/22240-39

Hungarian Academy of Sciences
Institute for Psychology
Attn. Mr. Gábor Háden
P.O.B. 398
1394 Budapest
HUNGARY

Your VAT no.: HU

OF-2017-04-470

Date: **27.04.2017**
Customer no.: 6,447
Responsible P.: Fernandes
Page: 1 / 3

Terms of payment: payable within 30 days, strictly net

Offer: USBSAHARA

Dear Mr. Háden,

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price

g.USBamp bundle with 64 channels

01.01	0216	g.USBamp, color silver	4 pcs	12.350,00		49.400,00

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; CE-certified medical device EN 60601-1 (IEC 60601-1); device driver for Microsoft Windows 7 32/64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; standard 1.5 mm medical safety connectors; classification of device: safety class II, type of applied part CF, type of applied part BF if several amplifiers are connected, conformity class IIa; FDA listed; 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)*

001.	0282	g.USBamp USB cable	1 pcs
002.	5051	g.USBamp water-proof heavy duty case	1 pcs
003.	0216DEV	g.USBamp device	1 pcs
004.	0247	g.Power - g.USBamp	1 pcs
005.	0001	power cord (EURO/US/other, depending on destination) IEC320-C13	1 pcs
006.	0216F	g.USBamp spare fuse	2 pcs

01.02	0281A	g.USBamp synch cable (dual) SET	3 pcs	321,00		963,00

synchronization set for 2 g.USBamps consisting of: g.USBamp synch cable (dual), shortcut jumper cable blue, shortcut jumper cable yellow, (0281, 0226B, 0226Y)

001.	0281	g.USBamp synch cable (dual)	1 pcs
002.	0226B	shortcut jumper cable for 2 channels, extra long	1 pcs
003.	0226Y	shortcut jumper cable for 2 channels, extra long	1 pcs

Dry electrode bundle

Hungarian Academy of Sciences
Institute for Psychology
P.O.B. 398
1394 Budapest
HUNGARY

g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price
02.01	1081A	g.SAHARAset 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)*	4 pcs	4.587,00		18.348,00
	003. 1027_2	g.GAMMAcap2SET, 2mm	1 pcs			
	003.01. 1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs			
	003.02. 1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs			
	003.03. 1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs			
	003.04. 1028	g.GAMMAcapBELT	1 pcs			
	004. 1070A	g.SAHARAelectrode, 7 mm	16 pcs			
	005. 1071	g.SAHARAclip	16 pcs			
	006. 1072	g.ACTIVEclipREF	2 pcs			
	007. 1073	g.ACTIVEclipGND	2 pcs			
	008. 1074	g.SAHARAbox	1 pcs			
	008.01. 1074DEV	g.SAHARAbox device	1 pcs			
	008.02. B0001	9-Volt battery block	1 pcs			
	008.03. 1074IFU	g.SAHARAsys Instructions for use	1 pcs			
	009. 1075	Adhesive mastoid electrodes	2 pcs			
	010. 1019A	Active Electrode Driver Box Connector for g.USBamp	1 pcs			
	011. 1082	Anti static wrist band and power socket connector	1 pcs			
	011.01. 1082WB	wrist band and spiral cable	2 pcs			
	011.02. 1082P	power socket connector for anti static wrist band	1 pcs			
02.02	9999	4-in-1 GND splitter adapter *Caution: This product is manufactured to buyer's specifications for further manufacturing, processing or repackaging. FDA registration, use and application of this customized product purchased from g.tec are the duty of the buyer.*	1 pcs	79,00		79,00

Recording Software

03.01	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)*	1 pcs	950,00		950,00
	001. 0112	g.MONcreator standalone	1 pcs			
03.02	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*	1 pcs	2.000,00		2.000,00
03.03	3060	Dongle (incl. driver) *on customer request, software licences can be seperated on two dongles. Second dongle will be fully charged!*	1 pcs	344,00	-100,0%	0,00
04	30002	Delivery costs	1 pcs	120,00		120,00

Delivery Terms

The goods will be delivered as soon as possible normally within 8 to 14 weeks. Delivery time for customized items can last up to 18 weeks.

Subtotal:	EUR	71.860,00
Total amount:	**EUR**	**71.860,00**

Transition of tax liability to the service consignee.

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g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price

Shipment with UPS
Special Warranty: 60 months (= 5 years) for g.USBamp, g.BSamp, g.MOBIlab+ and g.HIamp amplifiers!
All other items except consumables have a 1 year warranty.

Deposit of 30% necessary at order
Delivery period: 8-14 weeks after deposit if not otherwise stated.

In case of order send the offer back with your company stamp, signature, and your VAT No. for tax free European Union transfers.

Prices are excl. tax/duties. The offer is valid for 4 weeks.
This price is only valid in your territory.

When placing an order, the customer assigns g.tec to organize transport and insurance of the ordered goods on behalf of the customer.
Arising costs of transport and insurance are
charged to the customer separately.
Please indicate your BIC/SWIFT and IBAN for bank transfers.

Binding prices are based on costs in Euro obtaining at the time of this quotation. In case the costs or exchange rates have increased by the time of delivery, g.tec shall have the right to adjust prices accordingly.

Please note that the Instructions for Use of our products are only available in English language. With your order you confirm that you accept this circumstance.

All deliveries effected by g.tec shall be subject to retention of title. Title to the delivered goods shall remain with g.tec until the purchase price - including any and all additional fees - has been fully paid.
When placing an order, you agree to our general terms and conditions which may be viewed at
http://www.gtec.at/content/download/2180/13147/file/AGB_gtec.pdf

g.tec medical engineering GmbH

Sierningstrasse 14
AT-4521 Schiedlberg
Tel: +43-7251/22240
Fax: +43-7251/22240-39

Hungarian Academy of Sciences
Institute for Psychology
Attn. Mr. Gábor Háden
P.O.B. 398
1394 Budapest
HUNGARY

Your VAT no.: HU

OF-2017-04-471

Date: **27.04.2017**
Customer no.: 6,447
Responsible P.: Fernandes
Page: 1 / 4

Terms of payment: payable within 30 days, strictly net

Offer: HIAMPSAHARA

Dear Mr. Háden,

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price

g.HIamp 80 channel dry

01.01	8018	g.HIamp 80 bundle	1 pcs	39.900,00		39.900,00

bundle offer consisting of: g.HIamp 80 (7001):
g.tec's multi-modal biosignal amplifier with USB interface; 64+16 channels; bi-, unipolar recordings; can be upgraded to a 144 or 256 channel system; 16 digital trigger inputs to synchronize with external events; integrated electrode impedance check; CE-certified medical device EN 60601-1 (IEC 60601-1); device driver for Microsoft Windows 7 32/64 bit; internal sampling frequency 38.4 kHz per channel; highest signal-to-noise ratio; multi-pole medical connectors, classification of device: safety class II, type of applied part CF, conformity class IIa; FDA listed; g.HIamp water-proof heavy duty case (7051); 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)*

furthermore including: g.Power - g.HIamp, 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.GAMMAgelSET; (7004, 7005, 7007, 1098, 0167d, 7276a, 0101ae, 0102ae, 1060)

001.	7001	g.HIamp 80, silvergrey, color code: A08	1 pcs
001.01.	7001DEV	g.HIamp 80 Device	1 pcs
001.02.	7004	g.Power – g.HIamp	1 pcs
001.03.	7282	g.HIamp USB cable	1 pcs
001.04.	7051	g.HIamp water-proof heavy duty case	1 pcs
001.05.	0001	power cord (EURO/US/other, depending on destination) IEC320-C13	1 pcs
001.06.	7006A	g.HEADbox - passive	1 pcs
001.06.01.	7006ADEV	g.HEADbox - passive device	1 pcs
001.06.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs
001.07.	7000F	g.HIamp spare fuse	2 pcs
003.	1098	g.SCARABEO 64 bundle	1 pcs
003.01.	1085	g.SCARABEO	70 pcs
003.02.	1085Z	g.SCARABEO 'Z'	2 pcs
003.03.	1086	g.SCARABEOgnd	2 pcs
003.04.	1039	g.GAMMAearclip Ag/AgCl	2 pcs

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g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price
003.05.	1027_2	g.GAMMAcap2SET, 2mm	1 pcs			
003.05.01.	1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs			
003.05.02.	1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs			
003.05.03.	1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs			
003.05.04.	1028	g.GAMMAcapBELT	1 pcs			
003.06.	1091B	g.SCARABEO label set 64	1 pcs			
003.06.01.	1091LAB64	g.SCARABEO label 1 - 64	3 pcs			
003.06.02.	1091ADH	g.SCARABEO label tag	72 pcs			
003.06.03.	1095	Velcro strap	10 pcs			
003.07.	1088	g.SCARABEO syringe	3 pcs			
003.08.	1089	g.SCARABEO cleaning brush set	1 pcs			
003.08.01.	1089A	g.SCARABEO "easy brush" set	1 Stk			
003.08.02.	1089B	g.SCARABEO spare brushes "inter dental"	1 Stk			
003.08.03.	1089C	g.SCARABEO brush "inter dental"	1 pcs			
003.09.	1087_2	g.SCARABEO electrode holder ring	1 pkg			
003.10.	1090	electrode cable sleeve for g.GAMMAcap	1 pcs			
004.	0167D	g.Recorder for g.HIamp	1 pcs			
005.	7005	g.HEADbox - active	1 pcs			
005.01.	7005DEV	g.HEADbox - active device	1 pcs			
005.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs			
005.03.	7009	g.HEADboxPOWER	1 pcs			
006.	7007	g.HEADbox16 - passive	1 pcs			
006.01.	7007DEV	g.HEADbox16 - passive	1 pcs			
006.02.	7008	g.INTERfaceHEADbox2HIamp	1 pcs			
007.	7276A	trigger cable for g.HIamp for DIG IN 1	1 pcs			
008.	0101AE	g.BSanalyze: Base Version [education price]	1 pcs			
009.	0102AE	g.BSanalyze: EEG-toolbox [education price]	1 pcs			
010.	1060	g.GAMMAgelSET	1 pcs			
010.01.	1021	g.GAMMAgel	10 pcs			
010.02.	1067	g.GAMMAsyringe	2 pcs			
013.	3060	Dongle (incl. driver)	1 pcs			
01.02	1098	g.SCARABEO 64 bundle	-1 pcs	5.276,00		-5.276,00
		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)				
001.	1085	g.SCARABEO	70 pcs			
002.	1085Z	g.SCARABEO 'Z'	2 pcs			
003.	1086	g.SCARABEOgnd	2 pcs			
004.	1039	g.GAMMAearclip Ag/AgCl	2 pcs			
005.	1027_2	g.GAMMAcap2SET, 2mm	1 pcs			
005.01.	1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs			
005.02.	1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs			
005.03.	1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs			
005.04.	1028	g.GAMMAcapBELT	1 pcs			
006.	1091B	g.SCARABEO label set 64	1 pcs			
006.01.	1091LAB64	g.SCARABEO label 1 - 64	3 pcs			
006.02.	1091ADH	g.SCARABEO label tag	72 pcs			
006.03.	1095	Velcro strap	10 pcs			
007.	1088	g.SCARABEO syringe	3 pcs			
008.	1089	g.SCARABEO cleaning brush set	1 pcs			
008.01.	1089A	g.SCARABEO "easy brush" set	1 Stk			
008.02.	1089B	g.SCARABEO spare brushes "inter dental"	1 Stk			
008.03.	1089C	g.SCARABEO brush "inter dental"	1 pcs			
009.	1087_2	g.SCARABEO electrode holder ring	1 pkg			
010.	1090	electrode cable sleeve for g.GAMMAcap	1 pcs			
01.03	1081A	g.SAHARAset 16, for g.USBamp, 7mm	4 pcs	4.587,00	-50,0%	9.174,00
		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)				
003.	1027_2	g.GAMMAcap2SET, 2mm	1 pcs			

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Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price
	003.01. 1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs			
	003.02. 1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs			
	003.03. 1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs			
	003.04. 1028	g.GAMMAcapBELT	1 pcs			
	004. 1070A	g.SAHARAelectrode, 7 mm	16 pcs			
	005. 1071	g.SAHARAclip	16 pcs			
	006. 1072	g.ACTIVEclipREF	2 pcs			
	007. 1073	g.ACTIVEclipGND	2 pcs			
	008. 1074	g.SAHARAbox	1 pcs			
	008.01. 1074DEV	g.SAHARAbox device	1 pcs			
	008.02. B0001	9-Volt battery block	1 pcs			
	008.03. 1074IFU	g.SAHARAsys Instructions for use	1 pcs			
	009. 1075	Adhesive mastoid electrodes	2 pcs			
	010. 1019A	Active Electrode Driver Box Connector for g.USBamp	1 pcs			
	011. 1082	Anti static wrist band and power socket connector	1 pcs			
	011.01. 1082WB	wrist band and spiral cable	2 pcs			
	011.02. 1082P	power socket connector for anti static wrist band	1 pcs			
01.04	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*	-4 pcs	256,00		-1.024,00
01.05	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.SAHARAbox; 40 cm lead*	4 pcs	280,00		1.120,00
01.06	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*	-4 pcs	508,00		-2.032,00
	001. 1023L_2	g.GAMMAcap2, size L, 2mm	1 pcs			
	002. 1023M_2	g.GAMMAcap2, size M, 2mm	1 pcs			
	003. 1023S_2	g.GAMMAcap2, size S, 2mm	1 pcs			
	004. 1028	g.GAMMAcapBELT	1 pcs			
01.07	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*	1 pcs	508,00		508,00
	001. 1023MINI	g.GAMMAcap2KIDS, 74 position, mini	1 pcs			
	002. 1023MIDI	g.GAMMAcap2KIDS, 74 position, midi	1 pcs			
	003. 1023MAXI	g.GAMMAcap2KIDS, 74 position, maxi	1 pcs			
	004. 1028	g.GAMMAcapBELT	1 pcs			
01.08	9999	4-in-1 GND splitter adapter *Caution: This product is manufactured to buyer's specifications for further manufacturing, processing or repackaging. FDA registration, use and application of this customized product purchased from g.tec are the duty of the buyer.*	1 pcs	79,00		79,00
02	30002	Delivery costs	1 pcs	90,00		90,00

Delivery Terms

The goods will be delivered as soon as possible normally within 8 to 14 weeks. Delivery time for customized items can last up to 18 weeks.

Subtotal:	EUR	42.539,00
Total amount:	**EUR**	**42.539,00**

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g.tec medical engineering GmbH

Pos	Article no.	Description	Quantity QU	Price/pc.	Discount	Total price

Transition of tax liability to the service consignee.

Shipment with UPS
Special Warranty: 60 months (= 5 years) for g.USBamp, g.BSamp, g.MOBIlab+ and g.HIamp amplifiers!
All other items except consumables have a 1 year warranty.

Deposit of 30% necessary at order
Delivery period: 8-14 weeks after deposit if not otherwise stated.

In case of order send the offer back with your company stamp, signature, and your VAT No. for tax free European Union transfers.

Prices are excl. tax/duties. The offer is valid for 4 weeks.
This price is only valid in your territory.

When placing an order, the customer assigns g.tec to organize transport and insurance of the ordered goods on behalf of the customer.
Arising costs of transport and insurance are
charged to the customer separately.
Please indicate your BIC/SWIFT and IBAN for bank transfers.

Binding prices are based on costs in Euro obtaining at the time of this quotation. In case the costs or exchange rates have increased by the time of delivery, g.tec shall have the right to adjust prices accordingly.

Please note that the Instructions for Use of our products are only available in English language. With your order you confirm that you accept this circumstance.

All deliveries effected by g.tec shall be subject to retention of title. Title to the delivered goods shall remain with g.tec until the purchase price - including any and all additional fees - has been fully paid.
When placing an order, you agree to our general terms and conditions which may be viewed at
http://www.gtec.at/content/download/2180/13147/file/AGB_gtec.pdf

Contact Us

Write Us

Jot us a note and we'll get back to you as quickly as possible.

Name * Gabor Haden

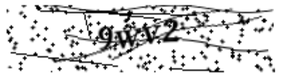
Email * haden.gabor@ttk.mta.hu

Phone Number +36 1 382 6808

What's on your mind? * Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling

Please type the letters below * 9WV2



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Email* haden.gabor@ttk.mta.hu

What is your application area of interest? Check all that apply.

☐ Animal ☐ Exercise & Sports Science ☐ Hemodynamics & Cardio-Pulmonary ☐ Imaging ☑ Psychophysiology ☐ Stimulus Presentation & Virtual Reality

☑ Wearable, Wireless, Ambulatory ☐ Other Life Science Research ☐ Life Science Teaching Solutions

What systems are you interested in? Check all that apply.

☐ AcqKnowledge Software ☑ B-Alert X10 EEG ☐ BioHarness Data Logging & Telemetry ☑ BioNomadix Wireless, Wearable Systems ☐ Eye Tracking

☐ fNIR Optical Brain Imaging Systems ☑ Mobita Wireless EEG ☑ MP36R Research Systems ☑ MP160 Research Systems ☐ Stellar Small Animal Telemetry

☐ Virtual Reality Systems ☐ Biopac Science Lab - Secondary Ed ☐ Biopac Student Lab Teaching Systems ☐ Other

Would you like a demonstration?

◉ Yes ○ No

What is your purchasing timeframe?

○ 30 days or less ○ 30-90 days ○ More than 90 days ◉ Unknown

Comments or Questions:

Dear Sir/Madam,

The Sound and Speech Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least

WR S 5

WR(%

SUBMIT YOUR REQUEST

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Hydrodot, Inc.
238 Littleton Road, Suite 202
Westford, MA 01886
Office: 978-399-0206
Facsimile: 978-399-0208

General Inquiries:
info@hydrodot.net

Do you require further assistance or information on Hydrodot products? Please feel free to simply fill in the below form. We appreciate your questions and feedback!

Name: Gabor Haden

Company: itre for Natural Sciences

Email: aden.gabor@ttk.mta.hu

Comments:

Perception Group at the Hungarian Academi of Sciences, Research Centre for Natural Sciences, Institute

Submit

Contact Lifelines Neurodiagnostic Systems, Inc.

Lifelines Neurodiagnostic Systems, Inc.
411 Edwardsville Road, Troy, IL 62294 USA

phone: **618-667-6445**

toll free: **866-889-6505**

fax: **618-667-1982**

Contact

First Name * Gabor

Last Name * Haden

Title Dr.

Company Name * ences, Research Centre for Natural sciences

Address

City Budapest

State

Zip

Phone * +36 13826808

E-mail * haden.gabor@ttk.mta.hu

How Can We Help You Today?

and Psychology (Budapest, Hungary) would like to acquire an EEG system fulfilling the requirements below:

- Able to record EEG concurrently on at least 64 channels, with sampling frequency of at least 1000

Submit

Send us a message

Name *

Gabor Haden

Institution/Practice/private *

i of Sciences, Research Centre for Natural Sciences

Country *

Hungary

E-Mail *

haden.gabor@ttk.mta.hu

Subject *

General request

Message *

Dear Sir/Madam,

The Sound and Speech Perception Group at the

How did you find out about us? *

- [ ] Friend, family, colleague
- [x] Search engine
- [ ] Press

Send your message

Regions

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EMEA Head Office
neuroCare Group GmbH

Rindermarkt 7
80331 Munich
Germany

T: +49 (89) 215 471 299 0
F: +49 (89) 215 471 299 1
info@neurocaregroup.com

Asia +

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1 Fernvale Close
#02-01
Lush Acres
Singapore 797485

T: +65 9617 8501
lbl@neurocaregroup.com

Australia & New Zealand +

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neuroCare Group Pty Ltd
Level 19, 56 Pitt St
Sydney NSW 2000
Australia

T: +61 (2) 8317 5032
F: +61 (2) 8038 6334
sydney@neurocaregroup.com

neuroCare Clinics

Subject: Re: információ kérés
From: Qualitis Support <support@qualitis.hu>
Date: 2017.05.02. 12:25
To: Gábor Háden <haden.gabor@ttk.mta.hu>

Tisztelt Háden Gábor!

Köszönjük szépen a megkeresést!

Sajnos, jelenleg nem rendelkezünk az Ön által kért paramétereknek megfelelő rendszerrel. Nagyobb fejméretben (felnőtt) tudunk 64 csatornás száraz elektródás megoldást ajánlani.

További kérdések esetén szívesen állok rendelkezésére.

Tisztelettel,
Tóth György

2017.04.25. 18:59 keltezéssel, Gábor Háden írta:

> Tisztelt Qualitis Kft.,
>
> A Magyar Tudományos Akadémia, Természettudományi Kutatóközpont, Kognitív Idegtudományi és Pszichológiai Intézet, Hang- és Beszédészlelés Kutatócsoport (Budapest) olyan EEG felvevő rendszert kíván beszerezni, amely teljesíti az alábbi feltételeket:
>
> · Legalább 64 csatornán tud párhuzamosan EEG-t rögzíteni, legalább 1000 Hz mintavételi frekvenciával.
>
> · Alkalmas 4-8 hónapos életkorú csecsemők vizsgálatára a 38-48 cm fejkörfogat tartományban.
>
> · Az elektródák felhelyezési ideje összesen kevesebb mint 15 perc, a felhelyezés nem sérti a fejbőrt és nem szükséges hozzá kontaktusanyag (gél), melyet a vizsgálat után le kell mosni.
>
> · Az elektródák többször használhatóak és fertőtleníthetőek.
>
> · Rendelkezik olyan szoftverrel, amely rögzíti az EEG adatokat és ezekkel együtt milliszekundum pontossággal külső trigger-jel fogadására és rögzítésére is képes, párhuzamos (LPT) porton keresztül. A felvett adatok olyan formátumban is kinyerhetőek, amelyek ingyenes szoftverek segítségével (pl. EEGLab, FieldTrip) is feldolgozhatóak.
>
> · Vizsgálati személlyel érintkező részei hálózati áramforrástól leválasztottak, vagy akkumulátorról működnek.
>
> · Rendelkezik CE tanúsítvánnyal.

Amennyiben cégük rendelkezik a fenti feltételeknek megfelelő termékkel, kérem vegyék fel a kapcsolatot Dr. Háden Gáborral a haden.gabor@ttk.mta.hu emailcímen vagy a +36 1 382 6808 telefonszámon.

Tisztelettel,
Háden Gábor

--
Gabor Peter Haden, PhD
Institute of Cognitive Neuroscience and Psychology
Research Centre for Natural Sciences, Hungarian Academy of Sciences
H-1519 Budapest, P.O.Box 286
H-1117 Budapest, Magyar tudósok körútja 2. room D4.04
Phone: +36 1 382 6808
Fax: +36 1 3826295
E-mail: haden.gabor@ttk.mta.hu

Quick Cap 64 csatornás EEG sapka beépített elektródákkal

Elektróda sapka EEG-hez : 32-256 csatornáig

A beépített elektródák anyaga AgAgCl amely alkalmas az AC és DC bemenetű erősítőkhöz is.

Az elektródák csatlakozó vezetéke speciális, a fizikai és vegyi behatásoknak ellenáll.

Az elektróda kiosztás és csatlakozója megfelel a SYMAPS RT 64 csatornás EEG erősítő elvárásainak.

A használatához szükséges, ajánlott vezető gél illetve közvetítő elektródaillesztő Quick Cell, Quick Gel, ECI gél.

A Quick Cap 64

csatornás méret választéka: Small - (50-53cm)

Medium - (55-59cm)

Large- (60-65cm)

QuikCell
Worldwide Patent Pending

New Standard	Explanation of the new technology and its benefits	Explanation of the compromises without this technology
Cap based electrode placement: Fast, accurate and easy to use	Cap-based electrode systems allow a larger number of electrodes to be placed accurately and quickly. Extending beyond the 10 – 20 system, caps support up to 256 electrodes. Standard electrode positions are maintained by the cap structure and are automatically utilized in Neuroscan processing software.	Placing a high number of EEG electrodes without a cap is time consuming and difficult. Applications beyond the 10 – 20 system electrode placements are not standardized, requiring subjective placement.
Liquid Electrolyte: Make scalp contact simple and clean	Electrolyte is the conductive medium that creates the bridge between the scalp and the electrode. Gel and paste electrolytes are very thick and require the technician to create direct physical contact between the scalp and electrode. In contrast, liquid electrolyte uses gravity to create a conductive column requiring less effort for the technician. Conductivity of the solution is the same or better than standard gels and pastes. In addition, the liquid electrolyte requires little cleanup after testing is completed.	Paste and gel electrolytes require the technician to ensure that there is direct contact with the scalp. Air pockets in the conductive column are a known issue and can result in poor impedances. These thicker electrolytes are also more prone to sticking in the hair and not making direct connection with the scalp. Gel and paste recordings are very messy, requiring the subject to wash their hair after the study. This personal inconvenience can lead to a loss of repeat subjects.
QuikCell: Conduction and Containment Cell	Liquid electrolyte needs to be contained so that it does not spread and create bridging between the electrodes. It also requires a reliable method to ensure that it reaches the scalp and is not wicked away by hair. The QuikCell system retains the electrolyte and ensures scalp contact. By using a compressed, desiccated cell in the electrode reservoir and allowing the electrolyte to expand the cell, much like a sponge, the electrolyte is contained and delivered with a high level of precision to the target scalp area with little chance of bridging.	Neuroscan uses a rubber reservoir in our caps to contain the gel for typical gel recordings. However, in trying to prepare the cap quickly with a manual syringe, gel may spread beyond the containment of the reservoir. When gel containment fails, the application becomes messy and the risk of bridging between electrodes increases. Too much gel may prevent the conductive column from forming, concentrating the gel around the scalp and not supporting the column up to the electrode.
Calibrated Electrolyte Delivery: Quality control and assurance	Using a liquid electrolyte, it is easy to over-saturate electrodes when using a manual method to hydrate the cells. Therefore, the QuikCell system uses an electronic device that dispenses a precise volume of electrolyte. This device, a calibrated laboratory pipetter, assures the cells are fully hydrated with virtually no risk of under-saturation causing poor conductivity or over-saturation causing electrode bridging.	The amount of electrolyte determines the scalp surface area from which the EEG recording is made. Using various amounts of electrolyte is similar to using electrodes of different sizes. For source localization, the area of contact and the separation between areas is critical. Using uncalibrated amounts of gel or electrolyte is one more uncontrolled variable that may adversely impact the quality of the recorded data.
Scalp – Electrode Impedance: Balance preparation time and data quality	Today's best amplifier designs allow recordings from high impedance electrodes, but with a potentially significant reduction in data quality due to radiated electrical "noise." With the QuikCell system, simply hydrate the cell and allow the expansion to make a high impedance contact, or use blunt tip/syringe technique to prepare the scalp as in a typical gel recording. The QuikCell has an access column that allows placement of the blunt tip on the pad of the QuikCell just above the scalp. This facilitates parting the hair and preparing the scalp to obtain the lowest possible impedance, without direct skin abrasion. The lower pad of the QuikCell protects the scalp from direct contact with the blunt tip.	While both liquid and gel based electrolyte application methods have been established, they typically have a predetermined impedance criteria. Liquid methods have been associated with high impedance and gel based methods with low impedance. Only the QuikCell system allows use of the cleaner and faster liquid electrolyte as well as low scalp impedances. Scalp electrode impedances less than 10 kOhms are common. Impedances below 5 kOhms are often possible, without direct abrading of the skin. Quality of the recordings obtained with the QuikCell is uncompromised allowing acquisition of the smallest EEG activity such as the auditory brainstem response, with impedances as high as 50 kOhms.
Options for Electrode Preparation: QuikCell or Gel	Neuroscan serves the needs of over 5000 researchers around the world. Serving such a large market requires that Neuroscan provide options for electrode application to serve the varying needs of our researchers. The QuikCell is designed for complete backward compatiblity with our QuikCaps, allowing use of either Gel or the QuikCell system based on specific research requirements of each study or subject population.	Most cap application systems require a liquid or a gel (not both) as the electrolyte with specifically designed caps for each. This limits the users of non-Neuroscan caps to only one method and significantly increases expenses as caps for each method, in each size, must be purchased if dual capabilities are desired.
Recording in fMRI Environments: Multi-modal Functional Neuroimaging	The QuikCell is compatible with Neuroscan's MagLink Caps. This allows the fastest possible, lowest impedance recordings, with the utmost subject comfort during simultaneous EEG/fMRI recordings.	

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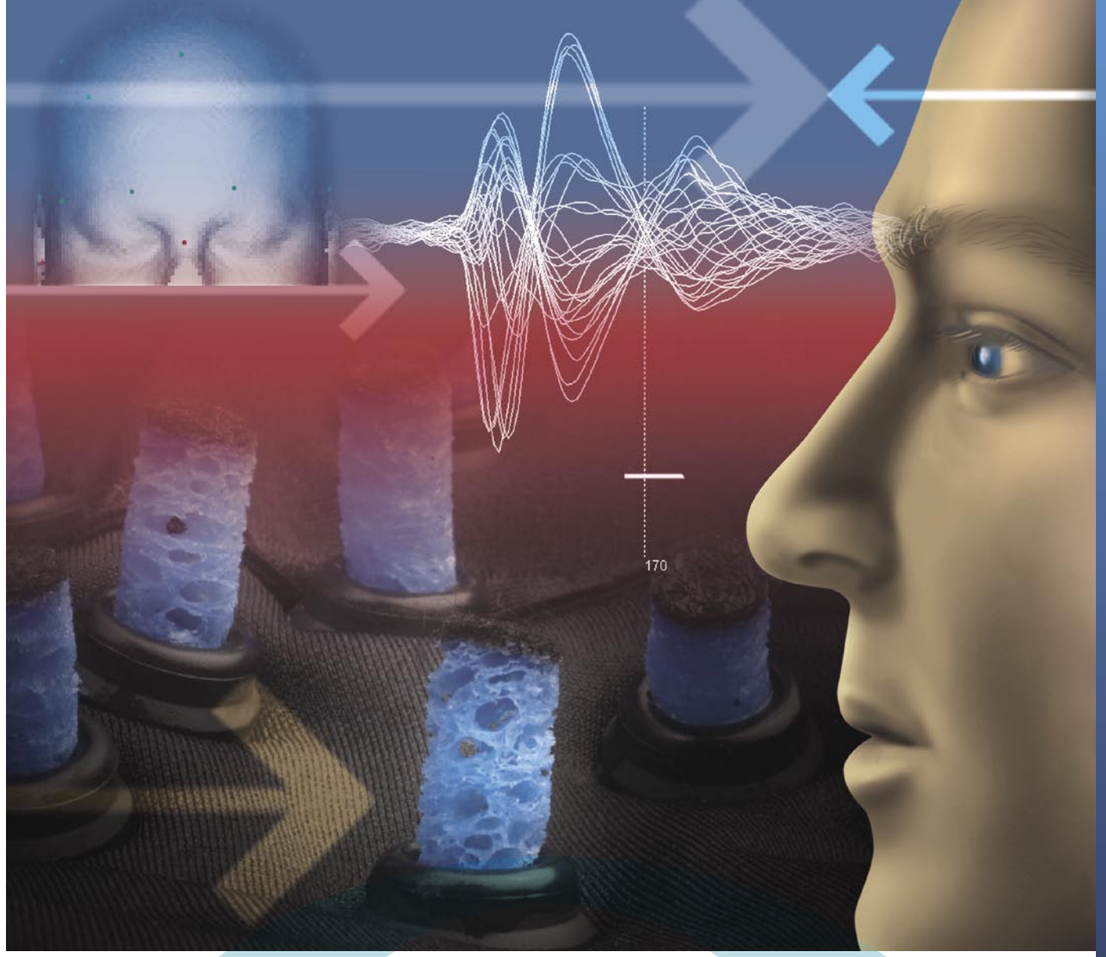


No Compromises Infinite Possibilities
THE REVOLUTION CONTINUES

QuikCell
Worldwide Patent Pending

Unique Liquid Electrolyte Electrode Application System

COMPUMEDICS NeuroScan

QuikCell
Worldwide Patent Pending

Introducing the QuikCell System for EEG electrode application.

Now you can balance EEG scalp electrode impedances and preparation time.

The QuikCell uses a new liquid electrolyte and cellulose based transmission and control system, coupled with a calibrated electrolyte delivery system for EEG electrode application.

The QuikCell procedure ensures that valid scalp electrode impedances can be obtained quickly and comfortably. This system allows recording with high impedances, improved control of salt-bridging and eliminates over-hydration and soaking of the subject. The speed of the QuikCell application reduces preparation time and increases subject comfort without sacrificing the quality of data collection.

Now you don't have to compromise data quality to obtain fast, low impedance recordings.

THE QUIKCELL EXPLAINED

1) QuikCell is intended to be used as a substitute for the conductive gel or paste used in standard QuikCap applications.

2 QuikCell is disposable in order to reduce bio-hazard.

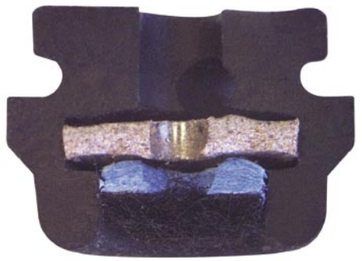
3) QuikCell features a deep well that allows you to insert a blunted needle and prepare the scalp to obtain low impedances. The pad at the bottom of this well ensures that even aggressive preparation will be comfortable for the subject.

4) QuikCell is installed into each electrode in the QuikCap, dry and compressed. This is done before the cap is placed on the subject. Once hydrated, QuikCell expands to provide moderate scalp pressure and a conducting bridge.

5) An automatic, calibrated pipetter ensures proper delivery of the electrolyte helping to prevent over-saturation and salt-bridging.

6) QuikCell, by design, allows easy clean-up for both the subject and the QuikCap.

QuikCell



QuikCell cross-section

QuikCell expanded after hydration

QuikCell is designed to fit snugly into the electrode cup of all current versions of the QuikCap. This allows the cap to be turned inside out making insertion of the QuikCells easy. Once all of the cups are filled, you can turn the cap right-side out, without risk of the QuikCells falling out. Hydration will cause the cell to expand and push out of the electrode cup, forming a column of electrolyte between the scalp and the electrode. While an immediate high impedance contact is made as the QuikCell expands, impedance can be lowered by using a blunted needle to part the hair or for additional preparation of the scalp.

HOW TO USE QUIKCELL

Step 1 – Turn the cap inside out and fill each electrode cup with a QuikCell. Turn the cap back right side out.

Step 2 – Place the cap on the subject's head according to the 10/20 positioning system.

Note - If impedance values of 20 to 50 kOhms are acceptable, use Step 3 (A).

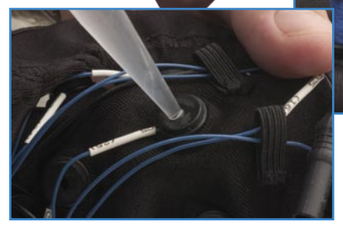
Step 3 (A) – For Higher Impedance Use:
Insert the pipetter all the way through the QuikCell electrode to the bottom. The hole through the QuikCell ensures cell hydration and that the electrolyte will not leak (see image 3A).

Step 3 (B) – For the Lowest Impedances:
Use the blunt needle tip inserted to the bottom of the QuikCell to part the hair and lightly abrade the scalp to ensure optimal impedance values (see image 3B). If impedance values of 20 to 50 kOhms are acceptable, use Step 3 (A).

1

2

3A



3B

Subject: RE: információ kérés
From: info <info@med-pro.hu>
Date: 2017.05.16. 12:42
To: Gábor Háden <haden.gabor@ttk.mta.hu>

Tisztelt Háden Gábor Úr!

Elnézést kérek a megkésett válaszunkért. Sajnos nem tudunk olyan készüléket ajánlani Önnek amely megfelelne az elvárásaiknak.

Üdvözlettel,
Dávid

Barna Dávid
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****
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-----Original Message-----
From: Gábor Háden [mailto:haden.gabor@ttk.mta.hu]
Sent: Tuesday, April 25, 2017 6:52 PM
To: info <info@med-pro.hu>
Subject: információ kérés

Tisztelt Med-Pro Hungary Kft.,

A Magyar Tudományos Akadémia, Természettudományi Kutatóközpont, Kognitív Idegtudományi és Pszichológiai Intézet, Hang- és Beszédészlelés Kutatócsoport (Budapest) olyan EEG felvevő rendszert kíván beszerezni, amely teljesíti az alábbi feltételeket:

· Legalább 64 csatornán tud párhuzamosan EEG-t rögzíteni, legalább 1000 Hz mintavételi frekvenciával.

· Alkalmas 4-8 hónapos életkorú csecsemők vizsgálatára a 38-48 cm fejkörfogat tartományban.

· Az elektródák felhejezési ideje összesen kevesebb mint 15 perc, a felhelyezés nem sérti a fejbőrt és nem szükséges hozzá kontaktusanyag (gél), melyet a vizsgálat után le kell mosni.

· Az elektródák többször használhatóak és fertőtleníthetőek.

· Rendelkezik olyan szoftverrel, amely rögzíti az EEG adatokat és ezekkel együtt milliszekundum pontossággal külső triggerjel fogadására és rögzítésére is képes, párhuzamos (LPT) porton keresztül. A felvett adatok olyan formátumban is kinyerhetőek, amelyek ingyenes szoftverek segítségével (pl. EEGLab, FieldTrip) is

feldolgozhatóak.

· Vizsgálati személlyel érintkező részei hálózazi áramforrástól leválaszottak, vagy akkumulátorról működnek.

· Rendelkezik CE tanusítvánnyal.

Amennyiben cégük rendelkezik a fenti feltételeknek megfelelő termékkel, kérem vegyék fel a kapcsolatot Dr. Háden Gáborral a haden.gabor@ttk.mta.hu emailcímen vagy a +36 1 382 6808 telefonszámon.

Tisztelettel,
Háden Gábor

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