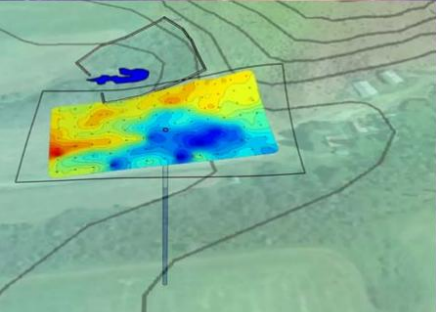


CATALOGUE

2026/27

Products
for

Building biology and Well-being



© ROM-ELEKTRONIK GMBH
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TEL: +49 (0) 8282 7385 • FAX: +49 (0) 8282 7305
WWW.ROM-ELEKTRONIK.COM
V26.0





DEAR CUSTOMERS

Since **1982** we have been developing and manufacturing devices and since **1986 measuring instruments** specifically **for environment and building biology**. As a pioneer in building biology measurement technology, we offer you a wide range of proven devices, continuously developed and supplemented by innovative wellness solutions.

Quality, precision and durability

Health and environmental awareness is our top priority. Our devices are characterized by **the highest quality, Reliability and durability** – many models have been in daily use for over 20 years. The ease of use of our measuring devices allows you to concentrate on what matters most: **precise and usable measurement results**.

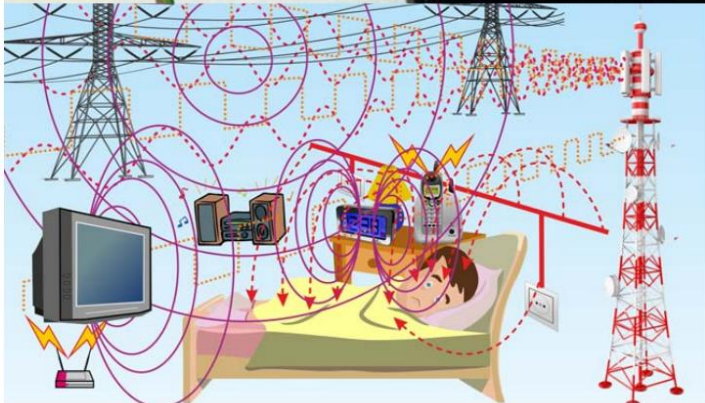
Leader in building biology and Measurement technology

Thanks to our many years of experience, we are far ahead of our **competitors**. **Expertise and the extensive range of devices** are valued worldwide. With ROM-Elektronik you get **precise, reliable and safe measurements** – for results you can rely on.

Innovation and customer proximity

We focus on **continuous improvement** and **innovation** – in our products as well as in the further training of our customers through **seminars and training courses**. Long-term and cooperative collaboration forms the basis of our success. We are pleased to present you with a **comprehensive offer** for your work – **reliable, innovative and future-oriented**.





ELECTRICAL AC FIELDS

MEASURING DEVICE FOR DETECTING SUNG OF THE CAPACITIVE AN- COUPLING VOLTAGE AM HUMAN BODY

The **electrostress meter ESM-2** measures the **Alternating voltage** acting on the human body through electric fields – a direct measure of so-called **electrostress**.

Body voltage is precisely measured via a **hand-held probe** connected to earth and **displayed digitally**. This allows you to immediately determine how strongly your body is exposed to electrical fields.

SIMPLE APPLICATION – CLEAR RESULTS If the measured values exceed the limits defined in the electrobiological standard, these can usually be reduced by **simple shielding**.

or reduction measures significantly reduce
The ESM-2 immediately demonstrates **the success of each measure** – objectively, reliably, and clearly.

GOAL: RELAXATION INSTEAD OF ELECTROSTRESS
Especially in **sleeping and rest areas**

the body voltage as close as possible to **zero volts**
lie down to promote restful regeneration
other.

The ESM-2 supports you in designing your environment so that your body and mind can relax.

ESM-2 – for a measurably more relaxed, healthier environment.



ELECTROSTRESS METER ESM-2
Digital electrostress measuring device.
Scope of delivery: measuring device, hand probe,
3 m earthing cable with Schuko plug, 0.5 m probe
cable, carrying case.



MEASURING ELECTRICAL STRESS
Body voltage measurement against earth potential
with ESM-2.



GROUNDING PLUG
different earthing cables for the different standards
of the countries



G-EXPLORER ACCESSORIES



GPS MOUSE

This makes it possible to use the stored measurement data of a measurement recording including GPS data

nen.
Article no.: 1022



DUST COLLECTOR

Dust collection attachment for vacuum cleaners for Sampling of house dust and Radon determination with G-Explorer

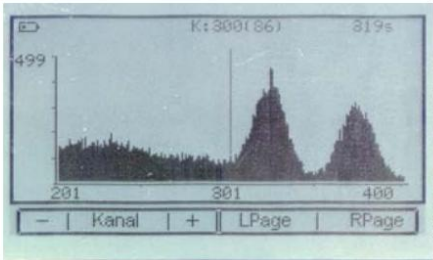
Article no.: 1012



FILTER FOR DUST COLLECTOR.

Glass fiber filter, round, 70 mm, 0.6 µm

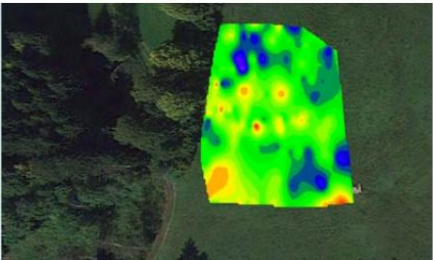
Article no.: 1013



GAMMA SPECTROSCOPY

Gamma spectroscopy is an important method for examining radioactive waste, contaminated food, etc.

Software update
Article no.: 1008



GRAPHICAL EVALUATION

Measuring a construction site with projection in Google Earth. The blue spots are underground Watercourses and also suitable drilling points for a well



DETECTOR BASE FOR G-EXPLORER

For mounting a 2 x 2" NaJ detector for measuring with Marinelli measuring cup

Article no.: 1023



BLEIBURG FOR G-EXPLORERS

For mounting a 2 x 2" NaJ detector for measuring with Marinelli measuring cup

Article no.: 1023



BECQUEREL ANALYZER FUNCTION

Software change to display radioactive contamination in Becquerel.



G-EXPLORER SCINTILLATION COUNTER

The **G-Explorer** is a versatile **measuring device for detecting radioactive radiation and contamination**. It impresses with its **fast response time, high sensitivity** , and **reliable results** – ideal for monitoring personnel, workplaces, and materials.



INTELLIGENT TECHNOLOGY FOR MAXIMUM SECURITY

By combining different **detectors** with
Using modern **fuzzy methods (AI-based)**, the G-Explorer ensures reliable and precise detection even under changing measurement conditions.

When scanning larger areas, the device works particularly efficiently – **quickly, reliably and without compromising detection accuracy**.

HIGHLY SENSITIVE NAJ SCINTILLATION CRYSTAL

The large, highly sensitive **Nal crystal** detects even low radiation intensities. The measured values are digitally processed by the exclusive **G-Explorer processor** , displayed on the **large graphic display** , and **acoustically signaled** when limit values are exceeded .

APPLICATIONS

- **Radioactivity and contamination measurement** • Geological investigations – **detection of disturbance zones and watercourses**
- **Building biology analyses** – radioactivity in building materials and food

TECHNOLOGY WITH DEEP DIVE

Based on a novel method of **signal analysis using fuzzy technology**, the **G-Explorer** offers unique **measurement quality** for research, environmental analysis and building biology.

G-Explorer – intelligent precision for the reliable detection and analysis of radioactivity.



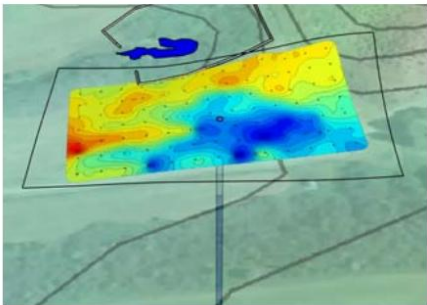
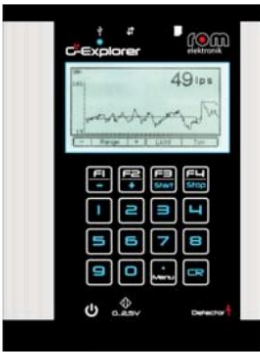
SCOPE OF DELIVERY G-EXPLORER

The robust measuring case contains all
Parts and accessories find their place.
Thick foam inserts provide optimal protection for all parts.

Article no.: 1020

G-EXPLORER EVALUATION DEVICE

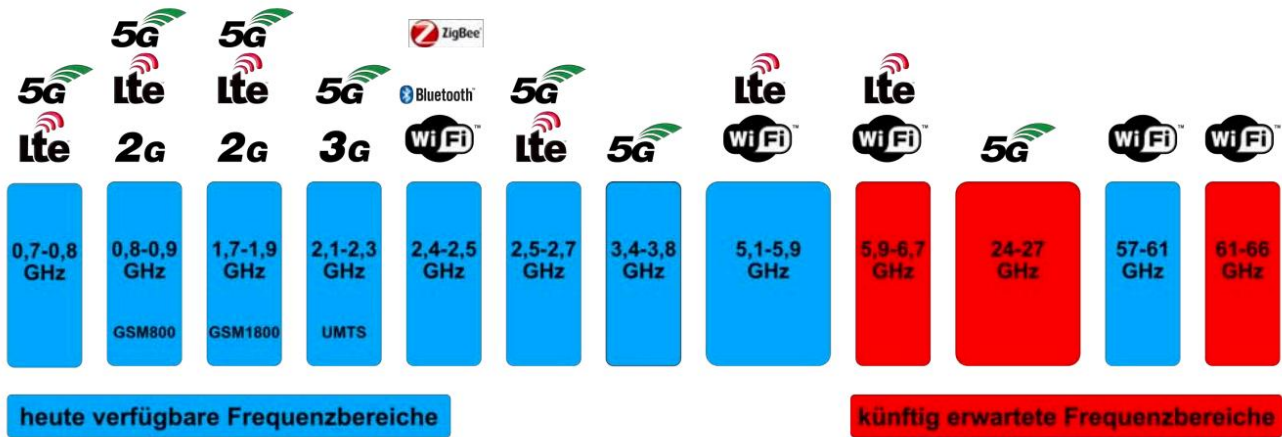
Explore and discover radioactive
Measure environmental radiation with reliable accuracy! Use graphical data processing to locate underground mineral resources, such as water, caves, and geological faults.



GRAPHICAL EVALUATION

Illustration of a soil measurement for water search.
By using professional PC analysis software, you can further enhance the performance and functionality of your G-Explorer!

(Software not included)



Frequenzabdeckung FrequencyMaster IV

ACCESSORIES HIGH FREQUENCY MEASURING INSTRUMENTS



ATTENUATOR 10 dB For extending the measuring range upwards. Factor 10 at $\mu\text{W}/\text{m}^2$, factor 3 at mV/m

Article no.: 4038



ATTENUATOR 20 dB For extending the measuring range upwards. Factor 100 at $\mu\text{W}/\text{m}^2$, factor 10 at mV/m

Article no.: 4039



5G HIGH-PASS FILTER
from 3100 MHz to 9900 MHz
For measuring signals above established radio services (e.g. 5G, WLAN 5.6GHz, DECT2, RADAR,...)

Article no.: 4040



800 MHz low-pass filter
for measuring TETRA frequencies

Article no.: 4046



RF CABLE SMA
Antenna cable SMA plug to SMA-Plug

Article no.: 4033



LPA-1
LogPer antenna 725 MHz - 2.5 GHz
Direction finding antenna for direction-dependent measurement

Article no.: 4043



LPA-1
LogPer antenna 725 MHz - 2.5 GHz
Direction finding antenna for direction-dependent measurement

Article no.: 4043



LPA-3
LogPer antenna 2,000 MHz - 11,000 MHz
Direction finding antenna for direction-dependent measurement

Article no.: 4045



BICONICAL BROADBAND ANTENNA
BBM-1
THE answer to perform cost-effective yet highly precise measurements in the lower frequency range from 50 MHz to 2500 MHz.

Article no.: 4037



HIGH FREQUENCY FREQUENCY MASTER IV

RF MEASURING TECHNOLOGY 1 MHz TO 10
GHZ INCLUDING 5G & 6G!

ROM-Elektronik's RF measuring instruments
open up a completely new dimension in **high-
frequency and EMC measurement**. Based on an
innovative **signal analysis method**, they deliver
**precise, reliable, and spectacular measurement
results**, even for the most complex signal shapes.

YOUR BENEFITS

- **Quickly locate sources of interference** and
precise root cause analysis
- **Measurement of power flux density**
and detailed signal evaluation
- **Intelligent signal detection:** The
Frequency-Master IV "hears" signals like a human
and identifies
Known signals immediately appear on the display
– ideal for users without prior
knowledge
- **Expandable evaluation:** With the
Professional PC software increases the
performance and functionality of your device

The ROM-Electronics RF measurement technology
makes **complex measurement tasks simple and
reliable** – perfect for industry, research and EMC
analysis.



SOFTWARE

for Windows to display radiation density on
the PC and for long-term recording.

Scope of delivery: Software interface cable.

Article no.: 4076



FILTERS AND ATTENUATORS Attenuators
are used to extend the measuring ranges of the
Frequency Master IV. They are suitable for
measuring higher levels.

There are special filters that cover frequency
ranges that the MFF-1 does not cover.
Please ask us about your specific requirements.



SCOPE OF DELIVERY FREQUENCY MAS- TER IV

Frequency Master IV, 2 LogPer antennas,
Unscrewing aid, battery charger, measuring case

Article no.: 4075



**ELECTRICAL
ALTERNATING FIELDS**

ESMINI

**FOR EASY DETERMINATION
OF ELECTRICAL STRESS,
CALLS BY ARTIFICIAL ELEC-
TRICAL ALTERNATING FIELDS.**

People who are in electrical
People who are exposed to these fields are under
tension. The level of this tension is a measure
of the stress acting on the body.

The ESMINI measures these changes
voltage via a hand probe against earth and
shows its value easily readable via three colored
lamps
to.

- On-site consultation enables
light the ESMINI to the specialist
a simple and quick assessment
Sharing the situation regarding body tension
and deciding on further measures/
examinations.
- The ESMINI is suitable due to its very simple
handling
also for regular
Examination by the person concerned
son himself



CONNECTION TO THE EARTHED PROTECTIVE
CONDUCTOR OF THE SOCKET



POWER SUPPLY WITH A
COMMERCIAL 9V BATTERY



ESMINI
Electrostress measuring device with traffic light principle

Article no.: 4002



ELECTRICAL ALTERNATING FIELDS E-FIELD 2

This high-quality measuring device enables the potential-free detection of alternating electrical fields from <10 Hz to 400 kHz.

Thanks to the integrated frequency filter module and extensive accessories, it is ideal for precise measurements in research, industry, and technology.

FEATURES AND BENEFITS

- 3.5-digit LCD with large, easy-to-read ren digits and low Batt.
- Field strength proportional audio signal (with "Geiger counter effect", switchable).
- 2 measuring ranges
- Lasting precision through self-librating circuit elements.

QUALITY "MADE IN GERMANY" •

- Manufactured using the latest manufacturing technology
- Use of high-quality components and FR4 base material
- Reproducible manufacturing processes for maximum reliability



HANDLING E-FIELD 2

E-FIELD-2
for potential-free measurement of electrical Alternating fields from 10 Hz - 400 kHz with Support rods to prevent the influence of the human body from distorting the measurement result.

E-FIELD-2
Measuring device for potential-free measurement of alternating electrical fields of 10 Hz - 400 kHz. Included in delivery: E-Field-2, 3 support rods, 9V battery, and instruction manual in a sturdy carrying case.

Article no.: 4101



ACCESSORIES FIELDMASTER 3D



BATTERY CHARGER

Plug-in charger for 3D-EFM, Field-Ma-ter 3D and Frequency Master IV

Article no.: 4077



INTELLIGENT BATTERY CHARGER for 3D-EFM, Field-Master 3D and Frequency Master IV. This fast charger prevents the memory effect in batteries

Article no.: 4118



Grab bar set for Field-Master 3D consisting of 3 hal-test rods, each 45cm long, plastic

Article no.: 4108



WOODEN TRIPOD FOR MEASURING PROBES

no longer in our delivery program



EDGE PROTECTION
Edge protection for retrofitting Field-master-3D

Article no.: 4107



Fiber Optic Interface Converter RS 232
optical-RS232 converter

Article no.: 0027



FIBER OPTIC DUPLEX CONNECTOR
Replacement optical connector for fiber optic cables

Article no.: 0031



FIBER OPTICAL FIBER
Optical cable (fiber optic cable) made of plastic

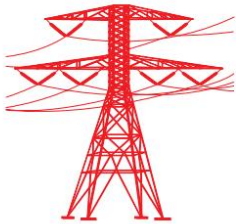
Price per running meter

Article no.: 0028



TRIPOD HOLDER
for Fieldmaster-3D

Article no.: na



ELECTRICAL ALTERNATING FIELDS FIELDMASTER 3D

ISOTROPIC ANALYSIS OF ELECTRICAL
ALTERNATING FIELDS – PRECISE,
RELIABLE, UNIQUE The

FieldMaster 3D is a professional field analyzer for low-frequency alternating electric fields that enables selective and broadband measurements simultaneously on all three axes .

PRECISION AT THE HIGHEST LEVEL

Thanks to the high-quality gold-coated sensor plates, the calibration remains permanently stable even under difficult environmental conditions – for long-lasting, precise measurement results.

PATENTED TECHNOLOGY

Based on a completely new method of signal acquisition, the FieldMaster 3D sets new standards in low-frequency and EMC measurement technology.

It enables the targeted detection of interference sources, the determination of the smallest field strengths , and the evaluation of complex signal forms – precisely, reproducibly, and reliably.

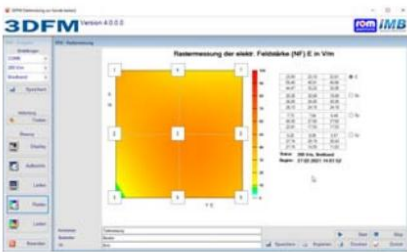
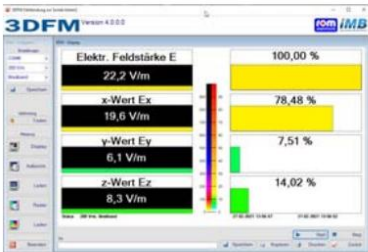
UNIQUE IN ITS CLASS

With the FieldMaster 3D, it is now possible for the first time to measure very low field strengths from 0.05 V/m potential-free and broadband – ideal for demanding building biology and technical applications.

TECHNICAL DATA

- Frequency range: 10 Hz – >400 kHz
- Measuring ranges: 0–20 / 200 / 2000 V/m
- Filter: low pass 16 Hz, high pass 50 Hz - 400 kHz, High pass 100Hz-400kHz, high pass 2kHz-400 kHz
- Max. measuring sensitivity: approx. 0.05 V/m (with filter approx. 0.01 V/m)

Made in Germany – precision that creates trust.



SOFTWARE

simultaneous display of all 3 axes, as well as the isotropic equivalent field strength

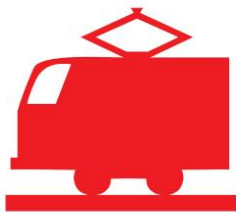
SOFTWARE

Representation of a measured area, such as a sleeping area or workplace.

Fieldmaster 3D

Isotropic cube sensor for the electric field strength in the low frequency range of 10 Hz – 400 kHz, fiber optic connection, incl. software

Article no.: 4110



MAGNETIC ALTERNATIVE FIELDS

TRIMAG-1

PROFESSIONAL MAGNETIC FIELD MEASURING DEVICE
FOR LOW FREQUENCY FIELDS FROM 10 HZ TO 400 KHZ

The **TriMag-1** is a high-quality, isotropic magnetic field measuring device for the precise detection of low-frequency magnetic fields.

As part of the ROM-Elektronik low frequency series, it impresses with its high measurement accuracy, wide frequency range and convenient operation – ideal for professional use in research,

Industry and technology.

Whether **monitors, AC power lines, office or household appliances** – the **TriMag-1** enables fast and reliable analysis of magnetic field emissions from a wide variety of sources.

Your benefits at a glance

- Isotropic 3D measurement for exact results in all directions
- Wide frequency range: 10 Hz – 400 kHz
- Wide measuring range: 5 nT – 42,000 nT
- Optional display in mG (milligauss)
- Simple, intuitive operation
- Robust professional device – developed for precise Measuring and long service life

TECHNICAL DATA

- Frequency range: 10 Hz – approx. 400 kHz
- Measuring range: 5 nT – 42 000 nT
- Display: optionally also in mG



TRIMAG

Triaxial magnetic field measuring device for low frequencies 10 Hz - 200 kHz, 5 nT - 42,000 nT

Scope of delivery: measuring device, 9V block battery, operating instructions

Article no.: 4119

ALTERNATING MAGNETIC FIELDS Low-

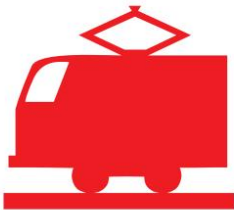
frequency fields occur wherever electricity flows. Whether at work, at home, or during leisure time – everywhere

we use electricity-powered

Systems and devices. Wherever electricity flows, magnetic fields are created—for example, in the vicinity of high-voltage lines and transformer stations.

But the electrically operated devices

Such fields are generated in the home and at work. The strength of a magnetic field is measured in Tesla (T) or fractions thereof, microtesla (µT) or nanotesla (nT). The greater the current strength and the greater the distances between the current-carrying conductors, the greater the spatial extent of the magnetic field.



MAGNETIC ALTERNATING FIELDS 3D ISOMAG LOGGER

PRECISE MAGNETIC FIELD MEASUREMENT IN
THREE DIMENSIONS – FROM 10 HZ TO
400 kHz

The 3D-IsoMag Logger is a professional, isotropic magnetic field data logger for recording low-frequency magnetic fields in the range of 10 Hz to 400 kHz.

As part of our low-frequency professional series, it impresses with its high sensitivity, wide frequency range, and versatile application possibilities.

Whether in industry, in the office, at home or in the research environment – the 3D IsoMag Logger is ideal for

Recording of magnetic field emissions from various sources, such as:

- Monitors and screens
- AC lines
- Office and household appliances
- Electrical and electronic devices of all kinds

TECHNICAL DATA:
Frequency range: 10 Hz – approx. 400 kHz
Measuring range: 5 nT – 42,000 nT

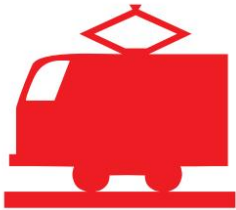


3D ISOMAG LOGGER
Triaxial magnetic field recording for low frequencies
10 Hz - 200 kHz, 5 nT - 42,000 nT

Article no.: 4140

ALTERNATING MAGNETIC FIELDS Low-frequency fields occur wherever electricity flows. Whether at work, at home, or during leisure time – everywhere we use electricity-powered Systems and devices. Wherever electricity flows, magnetic fields are created—for example, in the vicinity of high-voltage lines and transformer stations.

But the electrically operated devices Such fields are generated in the home and at work. The strength of a magnetic field is measured in Tesla (T) or fractions thereof, microtesla (µT) or nanotesla (nT). The greater the current strength and the greater the distances between the current-carrying conductors, the greater the spatial extent of the magnetic field.



MAGNETIC ALTERNATING FIELDS 3D ISOMAG

PROFESSIONAL MAGNETIC FIELD MEASURING SYSTEM
FOR LOW FREQUENCY FIELDS

The **3D-IsoMag** is a professional-class isotropic magnetic field measuring device for the low-frequency range. It records magnetic field emissions in three dimensions (x, y, z) and transmits the measurement results directly to a PC for **real-time graphical analysis**.

PRECISION & EASY OPERATION

Thanks to the included **software** , the Operate the device intuitively.

Using the grid measurement function, all three spatial directions can be measured simultaneously with just one button press.

The software creates **clear**

Field distribution graphics that allow conclusions to be drawn about the **location and strength of the field sources** .

AREAS OF APPLICATION

- Analysis of magnetic field emissions at moni-gates, screens and devices
- Investigation of AC lines, Office and household appliances
- Assessment of electrical and electronic Systems

TECHNICAL DATA

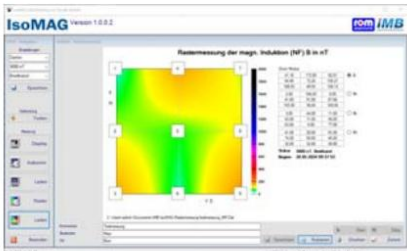
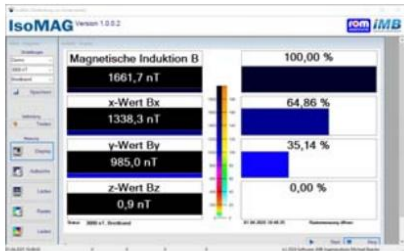
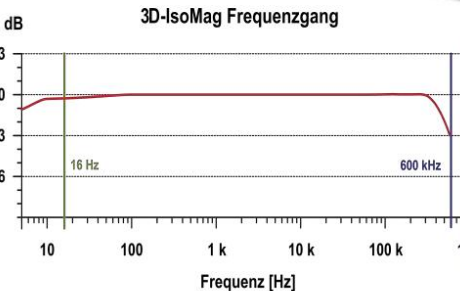
Measuring principle: Isotropic (three-dimensional) measurement of alternating magnetic fields

Measuring ranges: up to 300,000 nT

Resolution: 1 nT (in the 3,000 nT range)

Frequency range: 5 Hz to > 400 kHz

3D-IsoMag – precise, clear, professional sional.



SOFTWARE

simultaneous display of all 3 axes, as well as the isotropic equivalent flux density

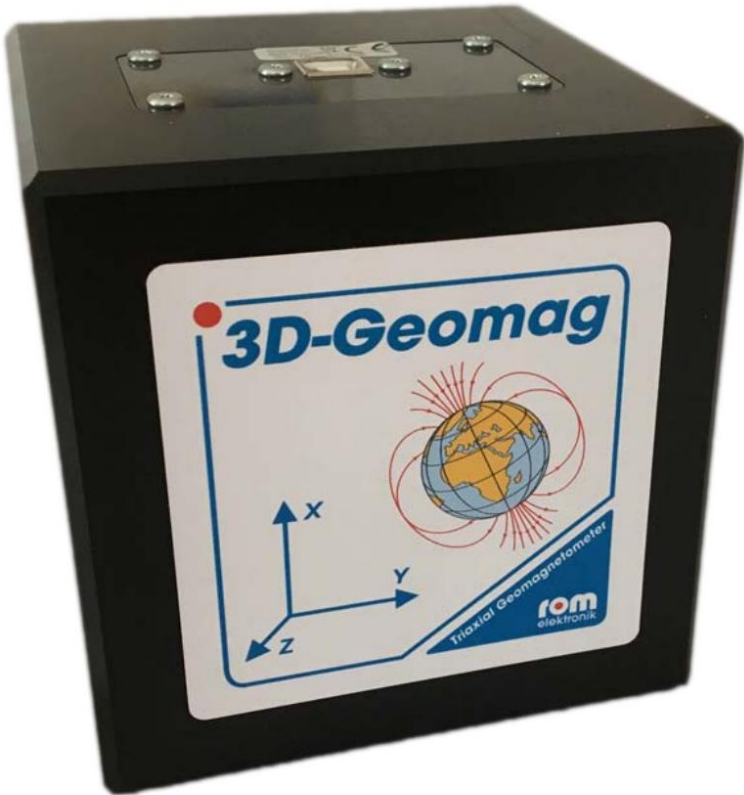
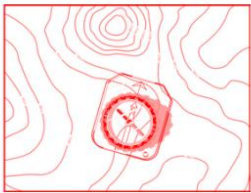
SOFTWARE

Representation of a measured area, such as a sleeping area or workplace.

3D ISOMAG

Isotropic magnetic field sensor for measuring alternating magnetic fields, incl. software

Article no.: 5109



MAGNETIC DIRECTIONS FIELDS - EARTH'S MAGNETIC FIELD

3D GEOMAG

PRECISION DEVICE FOR MEASURING MAGNETIC DC FIELDS AND LOCATION ANOMALIES

The 3D Geomag is a **high-precision magnetic field measuring system** for detecting constant magnetic fields, such as the Earth's magnetic field.

It is used to **determine anomalies** and **biologically effective site factors** – ideal for geological, building biology and environmental engineering applications.

TECHNOLOGY & PRECISION

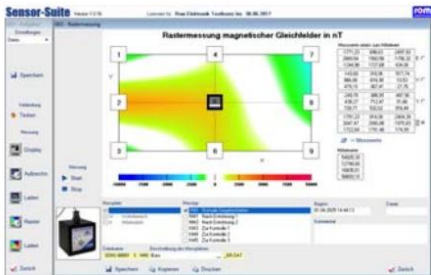
The measuring probe contains **three highly sensitive magnetic field sensors** and an integrated **microprocessor** that processes the data directly and transmits it to a computer.

The **isotropic measurement** enables exact results **regardless of the sensor orientation**.

FEATURES

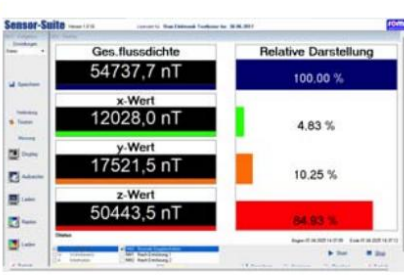
- **Measuring range:** $\pm 10 \text{ nT}$ to $\pm 200 \mu\text{T}$
- **Measurement sensitivity:** better than 10 nT (100 mG)
- **Display:** isotropic 3D value or individual values of the three spatial axes
- **Zero adjustment:** at the touch of a button for relative measurements
- **Min-Max function:** for quick determination of Magnetic field deviations
- **Easy to use** – precise results with minimal effort

3D Geomag – for the precise analysis of DC magnetic fields and site anomalies.



SOFTWARE

Representation of a measured area, such as a sleeping area or workplace.



SOFTWARE

simultaneous display of all 3 axes, as well as the isotropic equivalent flux density

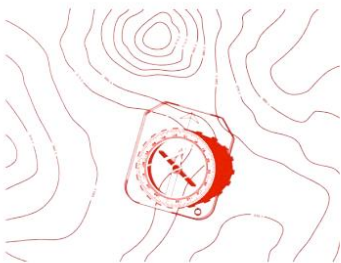


3D GEOMAG

High-resolution magnetic field probe for isotropic measurements of the Earth's magnetic field 10 nT - $200,000 \text{ nT}$

Scope of delivery: 3D cube sensor, USB cable, software (3D Geomag) and operating instructions.

Article no.: 5201



MAGNETIC DIRECTIONS FIELDS - EARTH'S MAGNETIC FIELD

MFM-3

PRECISE MAGNETIC FIELD MEASURING DEVICE FOR DC FIELDS – IDEAL FOR ANALYSIS OF THE EARTH'S MAGNETIC FIELD AND LOCAL ANOMALIES

The **MFM-3** is a digital magnetic field measuring device for the precise measurement of DC magnetic fields. It is ideal for **measuring the Earth's magnetic field**, detecting **magnetic anomalies** and determining **biologically relevant site factors** – with the **highest precision**.

sion and **easy handling**.

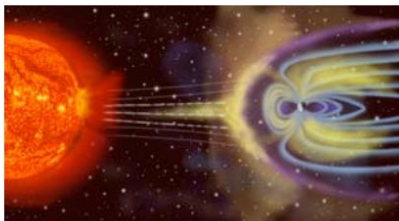
The **highly sensitive fluxgate probe** used in the **MFM-3** is connected to the device via a flexible cable

This makes it possible to connect even hard-to-

Examine accessible measuring points precisely. Thanks to the directional probe characteristics, sources of interference can be precisely localized.

YOUR BENEFITS AT A GLANCE

- **High-precision fluxgate technology** for sensitive DC field measurements
- **Simple measurement** with automatic Measuring range selection
- **Units freely selectable:** nT, μ T or mG
- **Clearly readable display** for precise measurement results
- **Acoustic signal** for additional orientation
- **SD card writer** for convenient measurement value recording
- **Four languages** available: German, English, Spanish nish, French
- **Excellent price/performance ratio**



EARTH'S MAGNETIC FIELD

Our planet is surrounded by the magnetosphere, a gigantic space bubble of magnetic field lines that protect life on Earth from the harmful solar

winds and has a significant influence on our environment and on living or-organisms.

MAGNETOMETER MFM-3

Digital magnetometer for measuring DC magnetic fields and the Earth's magnetic field 1 nT - 80,000 nT with USB interface in a sturdy carrying case with SD card reader & SD card

Article no.: 5212



ELECTRICAL DIRECT FIELD THE STATIC TESTER

DETECTION AND CONTROL ELEC- TROSTATIC CHARGES

The **static tester** is a handy testing device for detecting static charges in the positive and negative range. An LED display reliably indicates the presence and polarity of the charge.

AREAS OF APPLICATION

The **static tester** enables the **rapid detection and assessment** of electrostatic fields – both in technical and building biology cal area:

- **Screen and office workstations:** Recognition
Determination of electrostatic charge on monitors to estimate the exposure for the user zer.
- **Building biology & material assessment:**
Assessment of carpets, curtain fabrics and Textiles for their electrostatic properties ten.
- **Indoor climate:** Static charging can influence the concentration of positively and negatively charged ions – an important
Factor for a pleasant and healthy Indoor climate.

Static tester – compact, reliable, indispensable for assessing electrostatic influences in everyday life and at work.



ELECTROSTATIC CHARGES

are part of electrostatics and occur na- almost everywhere in our everyday lives. Only when the electrostatic charge reaches a certain level electrical discharge, this is perceptible to humans. The best known

Perception is the feeling of an electric shock when a grounded body, such as a radiator, is touched.

Many electrostatic discharges are below the perception threshold of the People. The rule of thumb is that electrostatic discharges are only perceived by humans from approximately 2,000 V. Electrostatic charge

Noise can sometimes be made perceptible by light and insulating objects such as pieces of paper or hair.

STATIC TESTER

for simple verification of static charges

Article no.: 4017



DC ELECTRIC FIELDS ELECTROSTATIC METER

PRECISE MEASURING DEVICE FOR DETECTING STATIC CHARGES

The **ElectroStaticMeter** is a compact, digital electrostatic measuring device for the precise **detection of static charges in the positive and negative ranges.**

With **high accuracy, a wide measuring range, minimal drift** and a **resolution of up to 1 V**, it is the ideal tool for demanding applications in industry, technology and building biology.

AREAS OF APPLICATION

- **Computer systems, electronics and semiconductor manufacturing:** Control of electrostatic fields to prevent malfunctions and damage to equipment.
- **Computer workstations:** Determination of static charges on monitors – basis for reducing electrostatic load through simple measures such as screen filters.
- **Building biology and living environment:** Evaluation of **carpets, textiles and curtains** with regard to electrostatic properties.

static fields influence the **ion balance**

the indoor air – an important factor for **well-being and indoor climate.**

ElectroStaticMeter – precise, versatile, indispensable for every professional electrostatic analysis.



ELECTROSTATIC CHARGES

are part of electrostatics and occur na-
almost everywhere in our everyday lives. Only when
the electrostatic charge reaches a certain level
electrical discharge, this is perceptible to humans.
The best known

Perception is the feeling of an electric shock when a
grounded body, such as a radiator, is touched.

Many electrostatic discharges are below the perception
threshold of the

People. The rule of thumb is that electrostatic
discharges are only perceived by humans from
approximately 2,000 V. Electrostatic charge

Noise can sometimes be made perceptible by light
and insulating objects such as pieces of paper
or hair.

ELECTROSTATIC METER

Electrostatic sensor with 5m grounding cable and
grounding strap in an optional antistatic carrying case.

Delivered in an antistatic box.

Article no.: 4016



STRESS

GRG - GEOHYTMOGRAM

SKIN RESISTANCE MEASUREMENT
ACCORDING TO DR. HARTMANN TO
DETECT BIOLOGICAL SITE EFFECTS

The georhythmogram (GRG) is a measurement system for recording the biological effects of geopathic zones on the human organism.

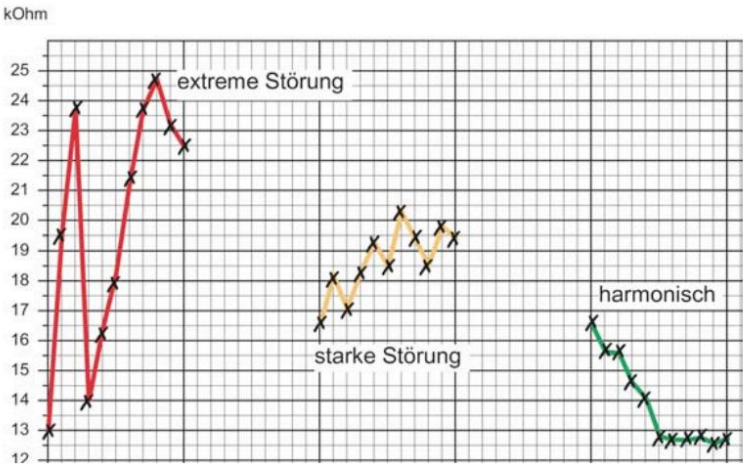
Based on the method of Dr. Hartmann

It enables the performance of reproducible skin resistance measurements, which allow conclusions to be drawn about location and material influences allow.

AREAS OF APPLICATION

- **Detection of geopathogenic zones:**
Water veins, geological faults and natural grids.
- **Checking technical influences:** Effects of house installations, building materials or electrical devices.
- **Human response tests:** assessment of individual reactions to medications,
Gemstones, jewelry or other items stands.

GRG – a proven method for analyzing biologically effective site factors and resonance phenomena.



GEO-RHYTHMOGRAM

Creating a georhythmogram according to Dr. Hartmann is a way to check, for example, the sleeping position. This method determines body regulation by measuring skin resistance.



GRG - GEORHYTHMOGRAM

Georhythmogram according to Dr. Hartmann for measuring skin resistance.
Scope of delivery: 2 hand electrodes and cable in a carrying case

Article no.: 5001



MEASURING CASE
LOW FREQUENCY
THE WHOLE BAND-
WIDTH OF THE LOW-
FREQUENCY –

2 MEASURING DEVICES

The case contains a measuring device with all accessories required for a comprehensive Low frequency measurement required The E-Field-2 for electric Alternating fields measure mains and traction current and harmonics. The Trimag accurately detects extremely low-frequency magnetic fields, which are generated, for example, by electrical devices become.

- **E-FIELD-2:**
Potential-free measurement of alternating electrical fields
Frequency range <10 Hz to 4,000 kHz
2 measuring ranges: 0 – 200 V/m and 0 – 2,000 V/m (resolution 0.1 V/m)
4 filters: 16 Hz bandpass, 50 Hz, 2 kHz
High pass and all pass
- **TRIMAG:**
isotropic measurement of low-frequency magnetic fields
Frequency range 10 Hz to 400 kHz measuring range 5 nT to 4,800 nT (resolution 5 nT) and 4,800 nT to 42,000 nT (resolution 50 nT)



LOW FREQUENCY MEASURING CASE
Potential-free measurement with E-Field-2 for alternating electric fields 10 Hz - 400 kHz and triaxial measurement with Trimag for alternating magnetic fields 10 Hz - 400 kHz, 5 nT - 42,000 nT, in a sturdy carrying case - SET PRICE!

LOW FREQUENCY MEASURING CASE
Basic equipment for comprehensive measurements of low-frequency electromagnetic radiation.

LOW FREQUENCY MEASURING CASE
Emissions from electrical cables and electrical devices are professionally measured with the low frequency measuring case to eat.

Article no.: 5088

**MEASURING CASE
CLASSIC**

**THE CLASSICS OF THE MESS-
TECHNOLOGY**

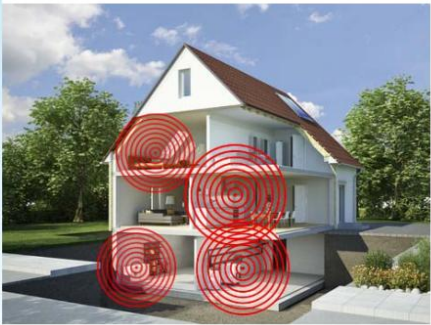
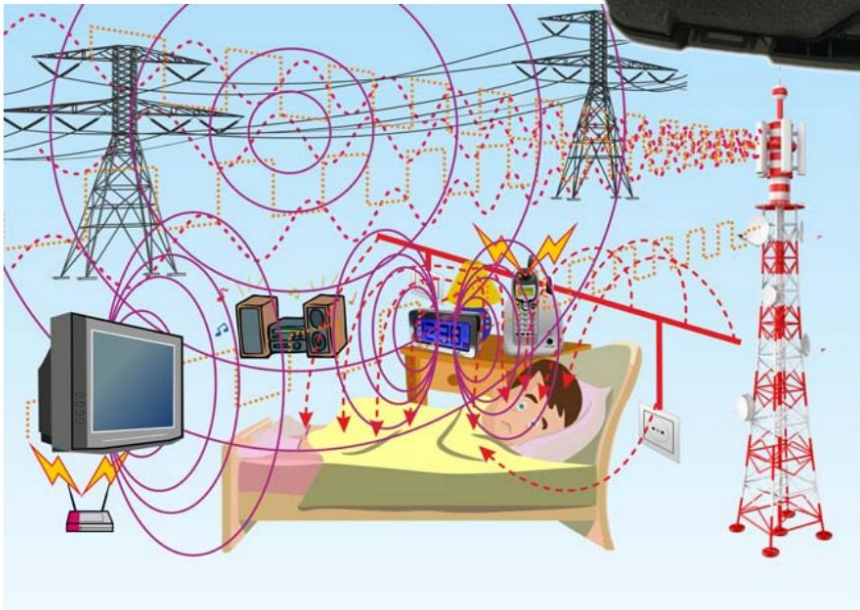
Just one case, a complete, worry-free package for your measurements. Through intensive collaboration with our customers, universities, and institutes, the measuring case described below for building biology measurement practice was developed.

From practice – for practice

For the experienced user, the case includes a Comprehensive measuring and testing equipment package, which includes a further house examination for, among other things, ensures shielding measures.

THE PACKAGE INCLUDES:

- FM-IV: Broadband high-frequency measuring device from approx. 1 to 10,000 MHz
- 2 LogPer antennas from approx. 725 to 10,000 MHz
- E-Field-2: potential-free measurement of electrical alternating fields
- Trimag: isotropic measurement of low-frequency Magnetic fields
- ESM-2: Body voltage measuring device



CLASSIC MEASURING CASE
Frequency-Master-IV Log-
Per Antennas LPA-1 (725 MHz - 2,500 MHz)
and LPA-3 (2,500 - 10,000 MHz), E-Field-2,
Trimag, ESM-2
in the carrying case

SET PRICE!!!
Article no.: 5089

CLASSIC MEASURING CASE
Basic equipment for semi-professional home
inspection.

This equipment represents a high standard for a
qualified home inspection.

**EXAMPLES OF ELECTROSTRESS
FACTORS IN THE HOUSE**



Wellness devices

INNOVATIVE PRODUCTS FOR YOUR WELL-BEING

Health is our most valuable asset – as Arthur Schopenhauer said:

"Health is not everything, but without health everything is nothing."

We often only realize how precious our health is when it begins to falter. Pain, discomfort, or worry make us aware of how important a balance of body, mind, and energy is.

ROM-Elektronik GmbH has been developing measuring devices that detect even the weakest fields since 1982. Because if electric and magnetic fields influence our lives, they can also be used to promote health.

This research and the deep understanding of waves, radiation and vibrations have resulted in unique devices that support holistic health and promote your well-being.

PREVENTION BEGINS AT HOME

Our wellness devices are designed to actively support you in your health care. On the following pages, you'll find a selection of proven devices that promote physical vitality, inner balance, and vitality – for a healthy, balanced life.



SIKOLYSER

SILVER GENERATOR FOR THE MANUFACTURE LUNG OF COLLOIDAL SILVER

Make your own colloidal silver:

quickly and easily with the silver generator **Sikolyser**.

Colloidal silver is produced electrolytically using **Sikolyser**.

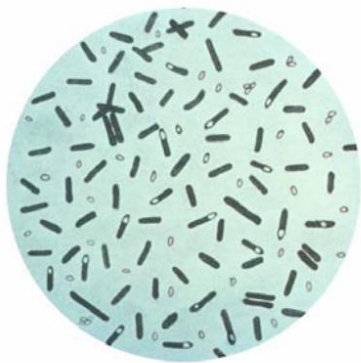
The silver particles made of 99.99% pure silver consist of about 15 atoms and have a diameter of about one nanometer (nm). A virus is 20 to 300 nm in size, a bacterium at least 200 nm.

Colloidal particles are the smallest particles into which matter can be broken down without losing its individual properties. The next level of breakdown would be the atom itself.

The precious metals silver and gold are represented in the wheel of the 5 elements Associated with the METAL element and the lung and large intestine meridians. The lungs receive life force (chi or prana), while the large intestine is concerned with purification (excretion and release). If the ability to absorb is poorly developed, the organism is undernourished.

The "awareness of lack" feeds fears. For example, the fear of not having enough leads to the search and addiction for external values.

As a result, trust and devotion to our true potential, which longs for creativity and creative expression, are blocked. Securing and holding on to what has already been achieved leads to resistance to change. The precious metals gold and silver have always played a very important role in this. They are used to preserve value (hedging currencies), as reserves and security, and as jewelry to enhance personality.



BACTERIA

Bacteria are microscopic organisms that have a cellular structure and obtain the energy they need to live through their own metabolism.

nen.

Bacteriology is a branch of microbiology. Among other things, it deals with pathogenic bacteria and provides important results for medicine and thus for the diagnosis of disease.

fighting.



EASY PRODUCTION OF COLLOIDAL SILVER

Once upon a time, the silverware was meant to be for kings and Protect princes from diseases and

Our great-grandparents still put a silver coin in the tin jug to keep the milk germ-free. Today it takes

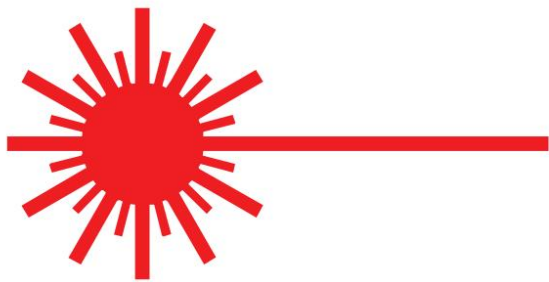
no more pure silver pieces to benefit from the antibacterial effect of silver.



SIKOLYSER

You will receive the Sikolyser in a small carrying case with foam insert as well as 1 pair of silver electrodes (999.99 pure silver), a 9-volt battery and an operating manual.

Article no.: 5890



IDE-AMPLILIGHT® 880NM

BIO-PHOTON DEVICE AFTER

DR. MED. WOITZEL

new development stage of the pro-Light® Professional

Light is life – we know this from sunlight.
But the true significance of light for humans only becomes apparent in biophysics: **every cell in our body contains light**, which is crucial for health and regeneration.

If cells are weakened or injured, the light intensity decreases.
Biophoton therapy addresses this issue: Through targeted light exposure, weakened cells can be stimulated to regenerate and regain their energetic balance.

LIKE THE IDE-AMPLILIGHT® 880NM WORKS

The device uses the **powerful effect of light on a biological level to harmonize and activate cells.**

The method is based on the scientific Fundamentals by Dr. Ingo Woitzel, who developed and documented this LED light therapy procedure in his practice.

YOUR BENEFITS

- **Fine frequency adjustment** from 0.001 Hz to 10,000 Hz (options: 20 kHz & 30 kHz)
- **Continuous intensity adjustment** for individual adjustment
- **Adjustable duty cycle** for optimal treatment result
- **Extended frequency range** compared to the previous pedestrian ProLight® Professional
- Easy to use, precise and effective

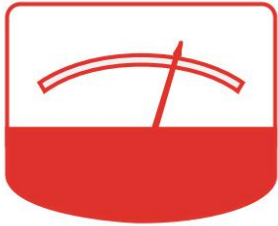
IDE-AmpliLight® 880nm – the next level of bio-photon therapy for targeted cell activation and well-being.

IDE-AmpliLight 880nm – the next level of bio-photon therapy for targeted cell activation and well-being.



IDE-AMPLILIGHT® 880NM
Wellness device
Scope of delivery: IDE-Amplilight System,
IDE applicator, power supply, carrying case,

Article no.: 11200



PROTON RESONANCE TESTER AS A SUPPLEMENT TO IDE-AMPLILIGHT® 880NM

The **proton resonance tester** enables simple and precise **measurement of body regulation**. By determining **skin resistance** at various points, conclusions can be drawn about the body's **energetic and physiological balance**.

HOW IT WORKS

- The subject holds a **hand electrode** which is connected to a cable is connected to the tester.
- A **measuring stylus** is connected to the second socket. sen.
- If the measuring stylus is placed on a point on the skin surface, the tester displays the **electrical resistance** with a **light bar** and emits an **acoustic signal**.



WHAT IS MEASURED

- The electrical body resistance can be increased a measurement between **a few hundred ohms and several hundred Kiloohms** (ratio up to 1:100).
- These fluctuations reflect processes of **body regulation**, which are modulated by different influences

become.
The **proton resonance tester** is an **easy-to-use, precise tool** that supports the application of the **IDE-AmpliLight® 880nm**.

supports and a **visible and audible**
Provides **feedback** on body balance.

Hand electrode, measuring stylus and test tray **TEST TRAY FOR PROTON RESONANCE TESTER**

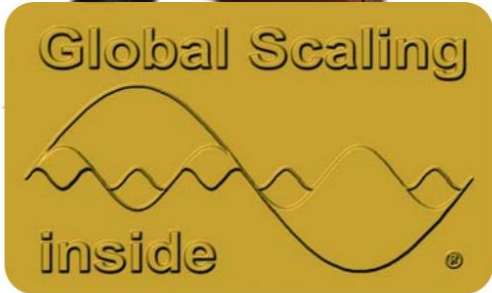
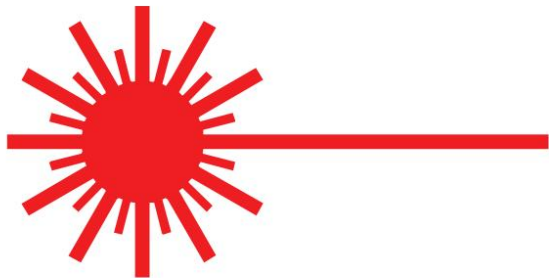


Article no.: 5801

PROTON RESONANCE TESTER

Test device according to Dr. Woitzel.
Scope of delivery: Proton resonance tester device, 2 measuring leads, hand electrode, measuring stylus, instructions, carrying case

Article no.: 11220



PROTOLIGHT® HOME

PROTON RESONANCE – THE PRIME MELODY OF THE UNIVERSAL SUMS

The **PROTOLIGHT® HOME** is an innovative Wellness device specially developed for physical well-being and the revitalization of humans and animals.

It supports the body in activating its self-healing powers and promoting the natural body feeling – for more energy, balance and inner harmony.

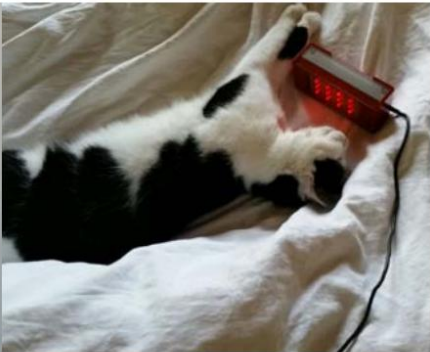
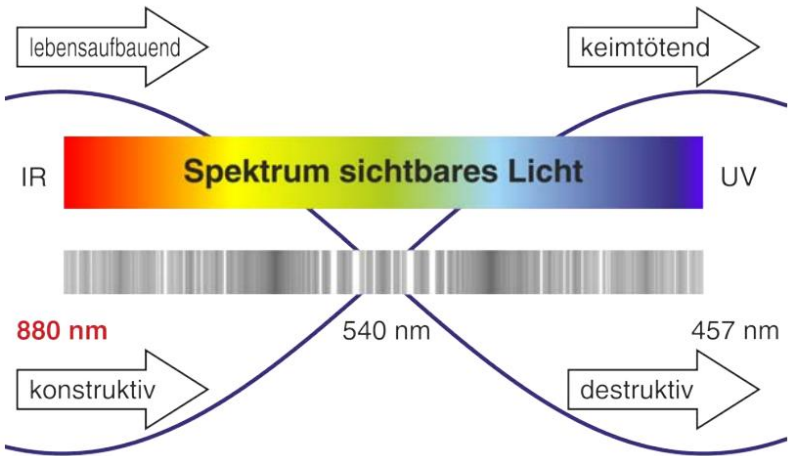
HOW IT WORKS
Humans and animals react sensitively to light and sound. The **PROTOLIGHT® HOME** stimulates the **vibrations of every body cell**, every organ, and even atoms and protons.

Proton **resonance** is the key to the vibrations that influence our lives and our health – the **primordial melody of the universe, so to speak**.

YOUR BENEFITS AT A GLANCE

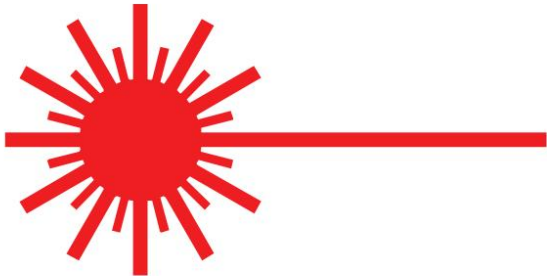
- Promotes self-healing powers for increased Well-being
- Suitable for humans and animals
- Mobile application – anytime, anywhere
- Supports physical vitality, balance and inner harmony

PROTOLIGHT® HOME – the perfect home remedy for health, energy and well-being in everyday life.



PROTOLIGHT® HOME
Proton resonance system with infrared radiation, including timer, in a carrying case

Article no.: 11003



Beatrice Winicker

MEIN BIOPHOTONEN- HANDBUCH



Eine Inspiration zur Selbsthilfe
Gesundheit und Wohlbefinden selbst unterstützen

PHOTONLIGHT® HOME WELLNESS BIOPHOTON DEVICE AFTER BEATRICE WINICKER

The **PhotonLight® Home** is an innovative **wellness Biophoton device** that meets all requirements for simple, safe and effective use in private richly fulfilled.

In close collaboration with Beatrice Winicker, the device was developed from our proven **PROTOLIGHT®**

HOME has been further developed and optimally tailored to the needs of holistic biophoton application.

LIGHT AS A SOURCE OF BALANCE AND HARMONY

Photons – the elementary light quanta – are both part of modern physics and carriers of a higher energetic order.

They appeal to the **analytical mind** as well as the **spiritual sense** and form the bridge between ical **science and consciousness**.

In **biophoton therapy**, light is used specifically as a **stimulus for cells and energy fields** – a gentle form of quantum medicine that stimulates the natural

The body's vibrational field is supported and harmonized ized.

THE LIGHT WITHIN US

"Everything consists of energy and vibration. Photons are consciousness in its purest form – they embody

pern joy, clarity and order.

They help us release disharmonious energies, regain our inner balance, and connect with our origins."

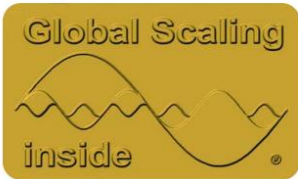
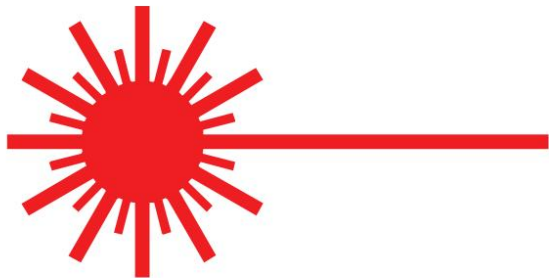
— Beatrice Winicker

The **PhotonLight® Home** supports you in harmonizing your personal energy field and strengthening the connection to your inner light source – **for more well-being, peace, and vitality in everyday life.**

The book by Mrs. Winicker can Books on Demand or Amazon be drawn

PHOTONLIGHT® HOME
Proton resonance system with infrared Radiation, with program according to Beatrice Winicker in the transport case

Article no.: 11009



PROTOLIGHT® HOME PRO

PROTON RESONANCE – THE PRIME MELODY OF THE UNIVERSE

Use this system to vitalize your body
personal

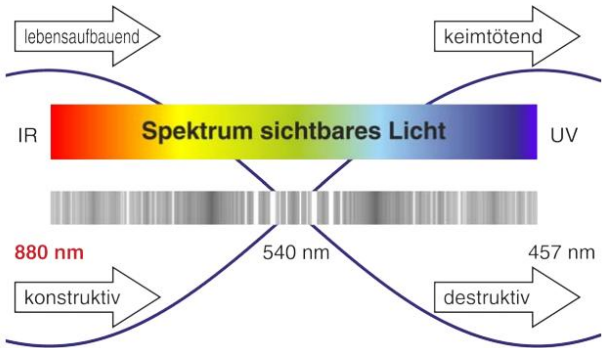
The **PROTOLIGHT®-HOME Pro** is the “small” version
ante of our discontinued ProtoLight Professional. The **PROTOLIGHT®-
HOME Pro** is a
Wellness device with greatly expanded applications.

- It is suitable for humans and animals. • The perfect home remedy for your health and Your body awareness.
- With regular use, the body can use its self-healing powers for its well-being to use.
- 73 application frequencies

Humans and animals alike are receptive to light and sound. Their bodies resonate with it. Every single cell and all of its organs—right down to the atoms and protons they are made of.

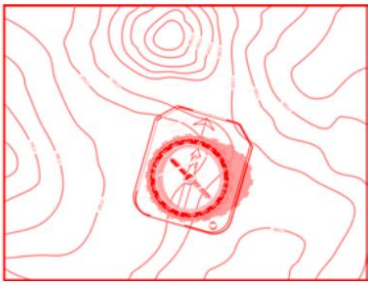
Proton resonance is the key to the vibrations
tions of the protons that determine our lives
and thus also our health.

The mobile supplement for use at home to stimulate the body's own healing powers anytime, anywhere.



PROTOLIGHT® HOME PRO
Proton resonance system with infrared radiation, including timer, in a carrying case

Article no.: 11010



AMPLIFIELD PRO

WELL-BEING WITH DISEASE

GUN OF THE UNIVERSE

NEW, MODIFIED VERSION 2026

The changes in the Earth's magnetic fields and the modulation of the Schumann resonance frequency have been documented in scientific studies for decades. At the same time, exposure to artificially generated electromagnetic fields (electrosmog) has steadily increased. These developments can influence physiological regulatory mechanisms.

The **AmpliField PRO 2026** supplies the body with 38 beneficial frequencies. The Schumann resonance (7.83 Hz), in particular, is considered a key pacemaker of biological processes, which not only supports the preservation of life on Earth but also provides important impulses for cellular processes.

AMPLIFIELD PRO – FEEL THE RESONANCE WITH THE EARTH

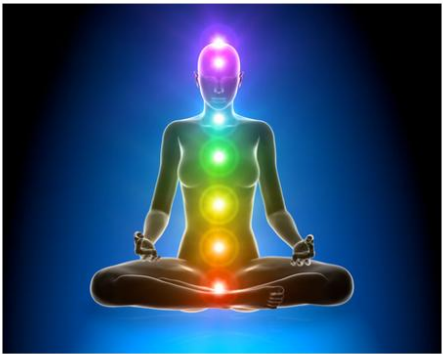
In a world full of artificial radiation and technological influences, our bodies are increasingly losing their connection to the Earth's natural vibrations. The Ampli-Field PRO restores this connection – gently, effectively, and scientifically sound.

Experience how your body feels in harmony with the rhythms of nature again.



- 38 frequencies selectable • easy to use • reduction of burn-out

- Symptoms
- Battery operation

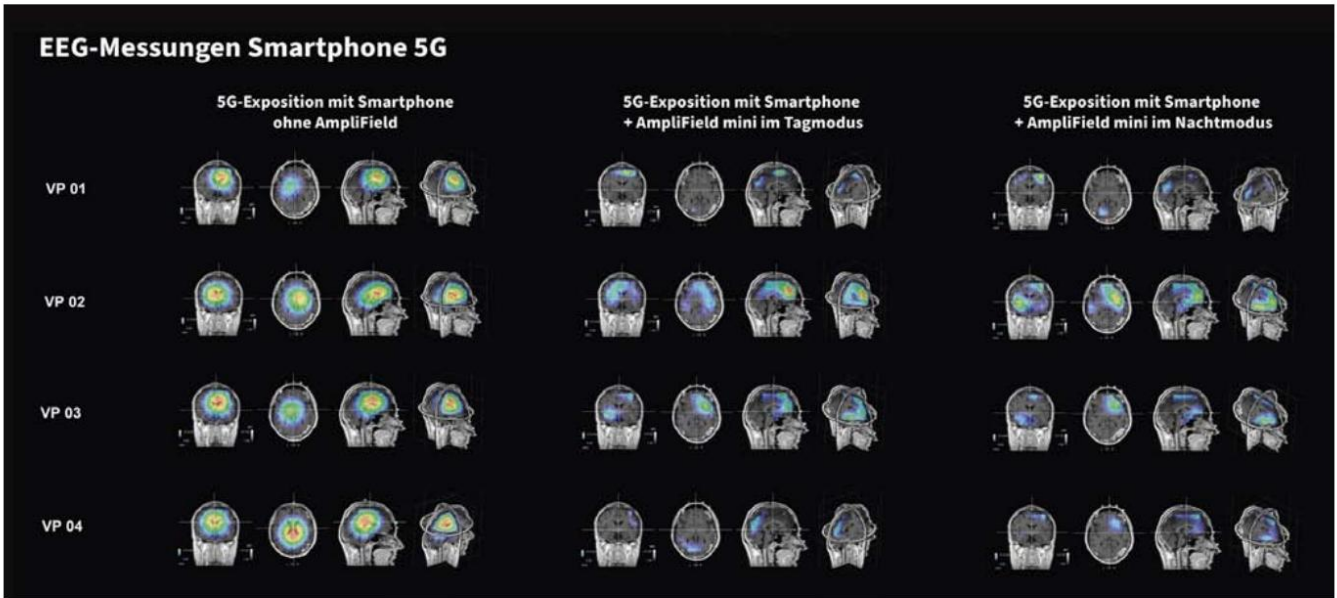


AMPLIFIELD® PRO

THE NEW BIOGUARD

The mobile magnetic field to strengthen the body's defenses.

Article no.: 11020



POSTER SESSION II-057 | EFFECTS OF BRAIN STIMULATION BY SPECIFIC DELTA AND THETA FREQUENCIES PRODUCED BY A MAGNETIC FIELD EMITTING THERAPEUTICAL DEVICE

Diana Henz
Stiftung für Gesundheit und Umwelt

Descriptors: EEG, brain stimulation, theta rhythm
Numerous studies have reported effects of brain stimulation on brain activity, cognitive functions, and mental states. To date, less is known on the effects of frequency-based therapeutical approaches that do not use transcranial electrical or magnetic stimulation but rely on exposure to simulated natural electromagnetic frequencies. In the present study, we investigated effects of a magnetic field emitting device on EEG brain activity and the mental state. Subjects were exposed to distinct frequencies in two experimental conditions (delta: , theta: 7 Hz), and one control condition (no application) by using the device AmpliField mini (ROM-Elektronik GmbH, Germany/Gabriel-Tech GmbH, Germany) in a randomized double blind design. High-density EEG was recorded continuously from 256 electrodes before, during, and after each condition, as well as mood. Each condition was tested for 10 minutes. Results on spontaneous EEG showed increased overall theta and posterior alpha power with decreased beta power in frontal, central and temporal areas compared to the control condition during and after application of both frequencies with subjects reporting increased relaxation. Further, theta power in frontal, temporal, and limbic areas increased with an overall beta power decrease when the delta frequency was applied compared to theta stimulation. We discuss the results and possible fields of application in terms of activation of distinct neural circuits by application of the frequency-based therapeutical approach tested in the present study.

AMPLIFIELD MINI GENTLE SUPPORT THROUGH NATURAL FREQUENCIES

The **AmpliField mini** is a compact wellness device that supports the body's own potential. It simulates spectral components of the Earth's natural magnetic field, gently promoting well-being and balance.

SCIENTIFIC INVESTIGATION (EEG MEASUREMENT)

In 2023, Ms. Diana Henz conducted EEG measurements, the results of which were published in the journal **“Psychophysiology”** (61(SI), S128).

THE STUDY SHOWS:

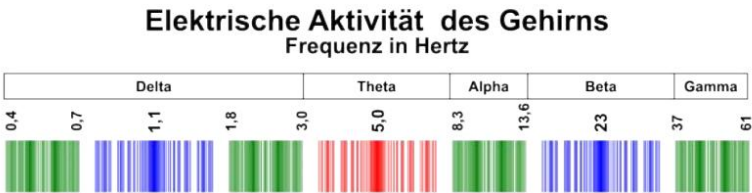
When exposed to 5G through a switched-on smartphone, beta and gamma activation in the brain increases significantly.

By using the **AmpliField mini** (with integrated Gabri-el technology), these activations could be significantly reduced – both in day and night mode.

STUDY DESIGN

- 4 neurologically healthy male subjects
- Baseline measurement without mobile phone exposure
- subsequent testing with a 5G smartphone (10 minutes)
- Repeat with **AmpliField mini** (day and night mode)

Conclusion: The EEG measurements indicate a positive effect of the **AmpliField mini** on brain activity during 5G exposure. The device thus offers gentle, non-invasive support for greater inner stability in everyday life.





AMPLIFIELD MINI

WELL-BEING IN COMPACT FORMAT

The **AmpliField mini** was developed as a practical companion for everyday use. The **AmpliField PRO** is often used for only a few applications—usually one for day and one for night. This mini device offers the perfect solution for precisely these applications.

SCIENTIFICALLY PROVEN EFFECT

The Earth's continuously decreasing magnetic fields and changes in the Schumann resonance frequency can impair well-being. Artificially generated fields (electrosmog) further exacerbate this effect. Studies by the Max Planck Institute in Seewiesen and Erling-Andechs demonstrate that these deficiencies can be compensated for by deliberately generated natural frequencies.

FEEL-GOOD FREQUENCIES FOR DAY AND NIGHT

- Day mode:** supports alertness, concentration and activity
- Night mode:** promotes relaxation and regeneration

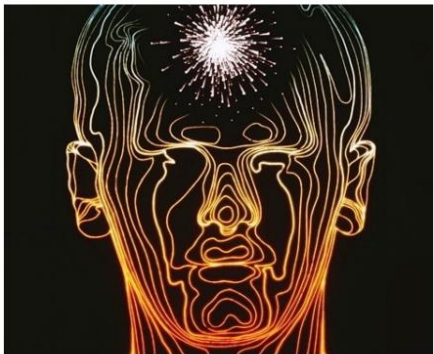
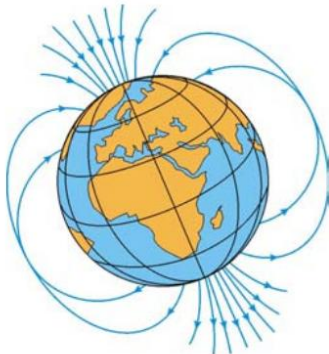
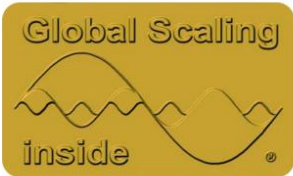


The device has a built-in battery with an operating time of approximately 36 hours.

Charging is convenient via Mini-USB on the PC or via a USB charger (not included).

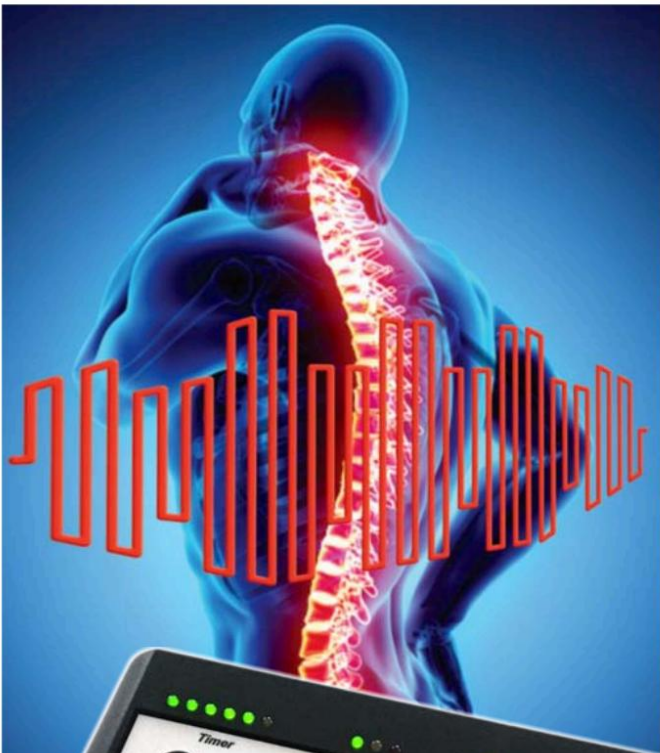
Conclusion: The AmpliField Mini combines scientifically sound

Frequency technology with mobile application – for sustainable well-being anytime, anywhere.



AMPLIFIELD® - MINI
Well-being in miniature.
Scope of delivery: AmpliField® mini, matching USB cable,

Article no.: 11022



AMPLISYSTEMS® SYNCHRO 3.1® MODERN MID-FREQUENCY ELECTROTHERAPY

Amplitude-modulated medium-frequency electrotherapy has been successfully used in training, regeneration and therapy for more than three decades.

AmpliSystems® Synchro 3.1® combines the advantages of medium frequency, low frequency, and threshold current – without their disadvantages. The focus is not on mere stimulation, but on activation: the tissue's own reactivity is directly utilized.

THERAPEUTIC EFFECTS:

- Deep flow of muscles and nerves
- sustainable regeneration through improved blood circulation
- increased membrane permeability for better metabolic processes
- reflexive muscle relaxation by inhibiting the Excitation transmission

Thanks to clearly structured application cards and easy-to-understand instructions
The system is quick and easy to use.

AmpliSystems® Synchro 3.1® is based on over 35 years of successful research and continuous practical experience – trusted by athletes, therapists

ten and users worldwide.

AmpliSystems® Synchro 3.1® is very easy to use. The detailed user manual included in the delivery explains its use in an easy-to-understand manner. Illustrated application

The correct position of the electrodes and the settings of the control knobs are clearly visible on the wiring diagrams. This allows for faster adjustment than, for example, with menu navigation on a screen.

... do you also trust – like many others
our users – now 35 years of
successful experience and continuous user research!

- POSSIBLE AREAS OF APPLICATION:**
- Pain relief
 - Reactive muscle toning
 - Cell tissue activation
 - Promotes blood circulation
 - Supports lymphatic return
 - Improvement of tissue nutrition and metabolism
 - Supports regeneration.

- OVERVIEW OF SPORT APPLICATIONS FERTILIZE:**
- Performance improvement (muscle toning training, muscle building)
 - Muscle imbalances (muscle tone normalization)
 - Regeneration (muscle detonation, Muscle relaxation)
 - ...and gentle increase of microcirculation.

AMPLISYSTEMS SYNCHRO 3.1 SPORT
Scope of delivery: AmpliSystems Synchro 3.1, adhesive electrodes, cable, battery charger, operating instructions, carrying case

Article no.: 11100



AMPLISYSTEMS® SYNCHRO 3.1®

ELECTROTHERAPY FOR ANIMALS!

EFFECTIVE THERAPY FOR MUSCULOSKELETAL SYSTEM AND WELL-BEING

The AmpliSystems® Synchron 3.1® was originally designed for human medicine and is now a proven

A device for veterinary medicine. It combines medium frequency, low frequency, and threshold current for targeted, physiologically effective activation of muscles, nerves, and connective tissue.

MAIN BENEFITS:

- Deep tissue flow: reaches muscles and nerves ven also in low positions
- Physiological activation: activates the self-reactivity of the tissue without overstimulation
- Safe and gentle: non-invasive application, ideal for Animals of all sizes
- Flexible use: Battery operation for mobile applications in Stable, practice or training
- Easy to use: illustrated instructions show electronic electrode placement and operation

THERAPY FREQUENCIES:

- Medium frequency: 2 kHz or 6 kHz – for deep penetration mung
- Low frequency: 2–100 Hz – supports muscle and nerve ven activation
- Threshold frequency: 1–100 pulses/minute – promotes relaxation and regeneration

AREAS OF APPLICATION:

- Diseases of the musculoskeletal system
- Regeneration after injuries or operations nen
- Prevention of muscular imbalances
- Physiotherapeutic measures and rehabilitation
- Stress reduction and promotion of general Well-being

Conclusion:

AmpliSystems® Synchron 3.1® is the professional solution for animal health: deep-acting, mobile, safe, and easy to use – for effective therapy of muscles, nerves, and the musculoskeletal system.



PROVEN INDICATIONS FOR HORSES AND DOGS:

- Spinal diseases e.g. • Dachshund paralysis, spondylosis
- Kissing spiders
- Osteoarthritis in the shell
- Spavin HD, navicular disease
- Humeral head necrosis
- Elbow dysplasia
- Arthritis, myopathies

- Neuralgia • Muscle tension • Muscle atrophy e.g. in protective postures gene
- Paralysis
- Wound healing disorders
- Lymphedema
- Asthmatic symptoms
- Tendinopathies and insertional desmopathy of different locations.

AMPLISYSTEMS SYNCHRO 3.1 VET

Scope of delivery: AmpliSystems Synchron 3.1, adhesive electrodes, cable, battery charger, operating instructions, carrying case

Article no.: 11100

General Terms and Conditions of ROM-Elektronik GmbH

For all our deliveries and services, even without express agreement, the General Terms and Conditions of Delivery for Products and Services of the Electrical Industry GL-ZVEI ("Green Delivery Conditions") recommended by the Central Association of the Electrical and Electronics Industry (ZVEI), as well as the associated software clause for the provision of standard software as part of deliveries and the supplementary clause for the extended retention of title, published in the Bundesanzeiger (latest version), apply with the following deviations and additions:

§ 1 Scope of supplies and services (Art. I GL-ZVEI)

- 1.1. The purchaser's terms and conditions of purchase, verbal or other agreements, changes, additions or assurances regarding product properties require our written confirmation to be effective.
- 1.2. Our offers are always subject to change. Contracts or agreements become binding only upon our written confirmation.
- 1.3. If the transaction relates to deliveries or services that are subject to technical development, we are entitled to deliver the latest model type, unless the customer's interest is clearly limited to the model type ordered.

In this case, the purchaser is only entitled to withdraw from the contract if he proves that his interest in the delivery has ceased as a result of the type change.

- 1.4. The information in our brochures, catalogs, data sheets, and other advertising material, in specifications, specifications, and other technical delivery conditions, in certificates, and other forms, does not constitute a legal claim within the meaning of Section 443 of the German Civil Code (BGB). A durability guarantee pursuant to Section 443 of the BGB requires our written confirmation, expressly marked as such, to be valid.
- 1.5. If we provide the customer with test equipment, this shall be considered a test sample and not a specimen within the meaning of Sections 454 and 455 of the German Civil Code (BGB). The applicable tolerance ranges must be observed.
- 1.6. Each partial delivery shall be deemed to be an independent transaction. The limitation period begins with the delivery of the goods.

§ 2 Prices and payment conditions (Art. II GL-ZVEI)

- 2.1. Our prices are ex works, excluding packaging and plus the applicable statutory value-added tax.
- 2.2. We reserve the right to adjust the agreed prices to reflect changes in labor and material costs at the time of delivery.
If the contractual items contain precious metals or other materials whose value is subject to sudden price fluctuations, there is no time limit for the cost adjustment. In other cases, the cost adjustment is permissible if there is a period of at least 120 days between the date of our order confirmation and the agreed delivery date.
- 2.3. If the transaction is subject to VOPR 30/53, the following applies: Our prices are market prices within the meaning of Section 4 of VOPR 30/53. A cost price shall replace the agreed price if the responsible pricing authority legally determines that a price assessment according to Sections 3 and 4 of VOPR 30/53 is not possible. When determining the cost price, the cost ratios at the time of the respective production shall be decisive. If the agreed price is to be considered the maximum price, the price adjusted to cost trends in accordance with the cost adjustment clause in Section 2.2 shall be deemed to be the maximum price.
- 2.4. Unless otherwise agreed in writing, our invoices are payable in advance without any discount. If payment terms are exceeded, we are entitled to charge interest from the due date at a rate of 2% above the current discount rate of the Deutsche Bundesbank, with a minimum of 6%.
- 2.5. All our claims shall become due immediately, regardless of the term of any acceptances received, if agreed payment terms are not met despite a reminder or if the financial circumstances of the customer deteriorate to the extent that our claims are at risk (Section 321 of the German Civil Code).

§ 3 Retention of title (Art. III GL-ZVEI)

- 3.1. The "Extended Retention of Title" applies in accordance with the ZVEI Supplementary Clause – the latest version.
- 3.2. In the event of a deterioration in the financial circumstances of the Purchaser pursuant to Section 2.5, we shall be entitled to prohibit the resale or further processing of the goods delivered under retention of title and to demand their return at the Purchaser's expense.

§ 4 Deadlines for deliveries (Art. IV GL-ZVEI)

- 4.1. The delivery deadlines stated by us are only binding if they have been confirmed by us in writing.
- 4.2. We are not responsible for delivery delays resulting from unforeseen circumstances, such as delays by our suppliers or subcontractors, or delivery bottlenecks for components, even if delivery dates have been confirmed. In these cases, we are entitled to extend the delivery period appropriately and to withdraw from the contract partially or entirely. The customer will be informed promptly of the onset and end of these impediments.
- 4.3 Our delivery obligation is suspended as long as the customer fails to make a payment is behind schedule.

§ 5 Transport insurance (Art. V GL-ZVEI)

- 5.1. At the customer's request, we will take out transport insurance.
- 5.2. To safeguard the rights arising from the insurance contract concluded by us, the purchaser must proceed as follows: The delivery must be inspected for completeness and proper condition immediately upon handover by the transport company. If any parts are missing or if there are any damages or other circumstances indicating transport damage or loss, this must be noted on the receipt. If indications of transport damage only become apparent after handover by the transport company, the transport company must be notified immediately in writing. We must be informed immediately of the discovery of damage and all related processes. The condition of the shipment must not be altered and the shipping packaging must be retained. We will conduct negotiations with the insurance company. The purchaser is obligated to provide us with all documents, receipts, photos, and information necessary to assert a claim.

§ 6 Liability for material defects (Art. VIII GL-ZVEI)

- 6.1. We warrant that our products meet the characteristics specified in our relevant standard documentation or agreed upon in writing in individual cases, and are free from manufacturing and material defects. The customer remains solely responsible for the suitability of our products for the respective intended use, even if we have advised them accordingly. Samples are not decisive for the scope of our warranty.
- 6.2. The provisions of Section 377 of the German Commercial Code (HGB) apply to the purchaser regardless of whether the purchaser is a merchant in the legal sense or not. To safeguard warranty claims, the purchaser is responsible for conducting an incoming goods inspection and immediately reporting any defects found in writing. The mere return of the goods does not constitute a notice of defect and does not release the purchaser from the obligation to pay the purchase price.
- 6.3. Any reliability information provided for our products in our standard documentation is based on statistically determined values; they are provided for the customer's guidance and are made to the best of our knowledge and belief, but are non-binding.

§ 7 Intellectual property rights (Art. IX GL-ZVEI)

- 7.1. We do not guarantee that our products are free from third-party intellectual property rights; Section 435 of the German Civil Code (BGB) is excluded in this respect.
- 7.2. If a third party asserts legitimate claims against our product based on intellectual property rights, we will, at our discretion, either obtain a license for the affected components or replace them with components that are not subject to intellectual property rights. If this is unreasonable for legal or technical reasons, we will take back the affected product and refund the purchase price.

The purchaser has no further claims.

§ 8 Place of jurisdiction (Art. XII GL-ZVEI)

- 8.1. If the customer is a merchant, the sole place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship shall be the registered office of our company. However, we are also entitled to bring legal action at the customer's registered office.
- 8.2. The legal relationships in connection with this contractual relationship shall be governed by German law, excluding the United Nations Convention on Contracts for the International Sale of Goods (CISG).

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