GMC instruments



HEALTHCARE 2026

Products and Solutions

Valid from September 1, 2026

GOSSEN METRAWATT

Making Safety Measurable — Assuming Responsibility

Medical technology builds trust. Only when it functions reliably can doctors, nursing staff, and medical technicians carry out their daily responsibilities—for diagnoses, treatments and, ultimately, the well-being of their patients.

This trust doesn't just happen on its own. It is based on tests that comply with standards, precise measurements, and comprehensive quality assurance throughout the entire life cycle of the medical devices.

As one of the world's leading providers of measurement and testing technology, the GMC Instruments Group develops solutions that make it possible to measure safety and quality in medical technology. Our test instruments, simulators, photometry systems, software solutions, and services help hospitals, service organizations, and manufacturers worldwide reliably comply with regulatory requirements and prove that their medical systems operate safely.

From electrical safety testing in accordance with IEC 60601 and IEC 62353 to functional testing of defibrillators, infusion pumps, and other medical devices, up to monitoring diagnostic workstations, our solutions support you every step of the way in the life cycle of modern medical technology. With additional services such as calibration, digital documentation, and practical further training, we lay the foundation for efficient testing processes and traceable quality.

This catalog gives you a comprehensive overview of our healthcare portfolio. Each one of our solutions shares the same goal: not just testing the safety, but doing so in a verifiably objective way.

Because behind every measurement lies more than just a test report. Behind it are people who rely on medical technology to function reliably every single time. That's why we develop solutions that build trust – day after day.

Your Markus Belmer — CCO of GMC-Instruments Group

Well informed, with full confidence.

Whether it's product innovations, information on standards, application tips, or event dates: Our digital channels give you the latest information from the world of electrical measurement and testing technology. Choose the type of information that suits you best—concise, technical, and direct.

Webinars

Our free webinars offer you practical, expert knowledge on all aspects of measurement and testing technology. Learn everything you need to know about current changes to standards, fundamental topics, and forward-looking solutions—all in a concise, easy-to-understand format.

During about 45 minutes, you'll receive helpful tips, practical solutions, and answers to your specific questions. After the webinar, our presenters will be happy to answer any specific questions you may have.

gossenmetrawatt.de/en/knowledge/webinars

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Healthcare 2026

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Safety and functional tests



The product lines SECULIFE and RIGEL Medical stand for innovative testing technology that ensures the highest level of safety in medical technology. They enable standards-compliant testing in accordance with IEC 60601 and IEC/EN 62353 - precise, efficient, and reliable for safety, metrological, and functional testing. The diverse portfolio ranges from safety analyzers, functional and per- formance testers for defibrillators, infusion pumps, and ultrasound and high-frequency surgical devices to vital sign simulators for ECG, invasive and non-invasive blood pressure, SpO2, respiration, and temperature.

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Rigel SafeTest 60+

Rigel Safe Test 60 is a rugged and reliable medical safety analyzer

- Manual control of fault conditions
- Testing in accordance with numerous international standards, including IEC 60601, 62353, 61010, and NFPA-99
- Insulation test in accordance with IEC62353
- ZAP function supports continuity test at laboratory level
- Secondary grounding warnings in order to ensure a valid test setup
- Precise high-amperage and low-energy grounding tests

Art.-No. **M699S**



Rigel 62353 Plus

The Rigel 62353+ electrical safety analyzer provides an accurate and fast solution for testing in accordance with safety standard IEC 62353.

- All-in-one compliance with international standards, including IEC/EN 62353, NFPA-99, AS/NZ 3551
- Integrated electronic data storage and automated testing reduce paperwork and save time
- Flexible, customizable test routines that meet the needs of your business
- Simple PC communications link
- Battery-powered insulation and grounding tests permit faster and more convenient testing
- 50/100/250/500 VDC insulation testing permits testing of devices operated with 24 and 48 V DC, and up to 253 V AC
- The automatic secondary verification ensures correct results the first time precise combination tests: high amperage/low energy grounding
- Available in a variety of mains configurations for meeting local requirements all over the world

Art.-No. **M699C**



SECULIFE ST BASE

Test instrument with standards-compliant test sequences for testing the electrical safety of devices after repair and for periodic testing (DGUV regulation 3, German medical devices operator ordinance MPBetreibV)

- Preconfigured and user programmable test sequences for testing electric devices quickly
- Extensive data management and storage concept for automated test sequences and individual measurements – for up to 50,000 data records
- High-resolution, brilliant 4.3" TFT color display
- User-created test sequences with the help of IZYTRONIQ

Art.-No. **M694A**



Rigel 288 Plus

Small and Flexible Electrical Safety Analyzer with Battery-Powered Grounding, Insulation and Leakage Tests

- All-in-one compliance with international standards, including IEC/EN 62353, AAMI/IEC/EN 60601-1, IEC 61010, NFPA-99, AS/NZ 3551
- Integrated electronic data storage and automated testing
- Customizable test routines
- Direct printing via Bluetooth connectivity
- Battery-powered leakage, insulation and ground/grounding tests
- 50/100/250/500 VDC insulation testing permits testing of devices operated with 24 VDC and 48 VDC up to 253 VAC
- Automatic secondary verification
- Precise high-amperage, low-energy grounding tests
- Available in a variety of mains configurations Configurations

Art.-No. **M699B**



SECULIFE ST PRO

Test instrument with antimicrobial properties and standards-compliant test sequences for testing the electrical safety of medical products (DGUV regulation 3, German medical devices operator ordinance MPBetreibV)

- Antimicrobial effectiveness of front and housing of the tester against bacteria, viruses, and fungi
- 4mm sockets for connecting up to 10 application parts
- IEC / DIN EN 60601 and IEC / DIN EN 62353 procedures
- Pre-configured and self-programmable test sequences for fast testing of electrical devices
- Fast access to measurement and test functions via the dual rotary switch, direct selection keys and soft keys
- Compact, impact-resistant housing with integrated rubber protection
- Comprehensive data management and storage concept for automatic test sequences and individual measurements for up to 50,000 data records
- HTLM report generation to USB memory
- Create test sequences yourself with IZYTRONIQ

Art.-No. **M694C**



SECULIFE ST PRIME

Test Instrument with Antimicrobial Properties for Standards-Compliant Testing of the Electrical Safety of Electrical Medical Equipment, Including High-Voltage Test with up to 6 kV DC

- High-voltage test with up to 6 kV DC
- Test instrument surfaces feature antimicrobial properties
- Automated user guidance
- Protective conductor test, 200 mA AC/DC and 25 A AC
- 10 configurable terminals (4mm) for applied parts with switching functionality
- Automatic test sequences according to IEC 61010
- High-resolution, 4.3" color TFT display
- Touchscreen
- USB ports for data input and data transfer
- Remote control possible via PC (IZYTRONIQ)
- Integrated data storage for up to 50,000 objects

Art.-No. **M694H**



Seculife IF Base

Infusion Pump Analyzer

- Industrial-grade pressure sensor made of stainless steel
- Dual injection system – eliminates inconsistencies during the discharge cycle
- Configurable pressure units (PSI, mmHg, mBar, kPa)
- Built-in data recording (250 data records with detailed system information)
- Micro-USB port
- Automatic or manual start
- 4.3" color touchscreen

Art.-No. **M695Z**



SECULIFE IF PRO

Multi-channel, modular infusion pump tester, for testing infusion pumps, basic unit without flow module

- 1, 2, 3, and 4-channel models available (customer retrofittable)
  M6960_A01 -> 1-channel version
  M6960_A02 -> 2-channel version
  M6960_A03 -> 3-channel version
  M6960_A04 -> 4-channel version
- PCA/bolus
- Back pressure simulation
- Occlusion alarm
- Trumpet curve analysis
- Automatic test sequences
- PCA / bolus / flow measurement
- Nurse call simulation
- in accordance with IEC 60601-2-24
- Flow software for analysis
- Remote control
- Interchangeable test modules
- Calibration of the test modules without the basic unit

Art.-No. **M6960**



Rigel Uni Pulse 400

Rigel UniPulse 400 Defibrillator Tester

- Pacemaker functionality
- Compatible with monophasic, biphasic, and pulsed waveforms
- Color LCD display
- Easy, intuitive navigation with special quick keys for testing and simulation
- Rechargeable battery for operation without mains power
- Data download to PC via USB
- Non-inductive 50 Ω test load
- Patient simulator with ECG high output
- Multilingual firmware for use around the globe
- Portable, compact, and rugged
- Defibrillator energy discharge test
- Charging time test
- Cardiac synchronization test (refractory period)
- 40 selectable arrhythmias
- Power waveforms
- 5 pacemaker modes

Art.-No.	M699R



SECULIFE ES TECH

Multifunctional, Multimode RF Surgery Analyzer

- DFATM technology – ultra-high-speed digitalization
- 2% measuring accuracy
- Embedded real-time operating system
- Auto-sequence mode
- User-defined test sequences
- Connection of external loads
- Internal loads from 5 to 5500 Ω
- USB (2) and Ethernet communication ports

Art.-No. **M695F**



SECULIFE ES PRIME

Multimode Electrosurgery Analyzer

- True RMS measured values with DFA® technology
- Auto-sequence mode
- Connection of external loads
- Internal loads from 1 to 6400 Ω in 1 Ω steps
- Network compatible
- Industry-standard current measuring technology
- mV, mV peaks, ma, crest factor, and power ranges (Watt)
- QVGA color display with touchscreen
- Measuring accuracy of 1% of the measured value
- Digital calibration - no rotary potentiometers
- Selectable display options
- Graphic representation of the measured RF signal on the screen
- Standard (1000 mV) and low range (100 mV) with autoscaling function
- Measurement mode for multiple pulsed HF waveforms for pulsed outputs with low duty cycle,
- Adjustable delay function

Art.-No. **M695U**



SECULIFE PS100

Patient Simulator for ECG

- 10 universal connections for patient cables
- ECG: 30, 60, 120, and 240 BPM
- Sinusoidal: 10, 60, and 100 Hz
- Square: 0.125 and 2.0 Hz
- Delta: 2 Hz
- High-level output (1 v p-p)
- Amplitude accuracy: +/- 2%
- Frequency accuracy: +/- 0.5% of the setting

Art.-No. **M695L**

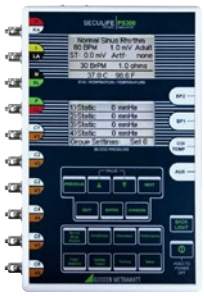


SECULIFE PS200

Multi-patient Simulator for ECG

- Graphic display with simultaneous, detailed status of parameters
- Dropdown selection screens list all parameter options
- Special switch-on function
- Automatic sequences for BPM, static pressure values, and power
- 10 universal connections for patient cables
- Mini DIN connector for BP cable
- Flash programmable for upgrades

Art.-No. **M695M**



SECULIFE PS300

Universal-patient Simulator

- 19 amplitudes
- 49 arrhythmias
- Training mode
- Remote control
- Quick-start function
- Special switch-on function
- Automatic sequences for BPM, static pressure values, and power
- 10 universal connections for patient cables
- Mini DIN connectors for blood pressure cable V
- Full remote operation via RS-232
- Flash programmable for upgrades

Art.-No. **M695N**



Rigel PatSim 200

PatSim 200 multiparameter patient simulator for ECG, RESPIRATION, TEMPERATURE, and IBP

- High-contrast, bright color display with intuitive operation
- Save and recall the 5 most frequently used sequences by pressing a single key
- Permanently assigned home key
- Rechargeable lithium-ion battery with up to 6 hours of operating time
- Universal ECG connectors
- On-screen waveform display for quick reference
- Firmware can be updated by the customer
- Country-specific settings,
- 12-channel NSR ECG simulation
- More than 40 selectable arrhythmias
- Power waveform
- Simulation of respiration on lead I or II
- Universal temperature simulation
- Two-channel IBP simulation
- Fetal simulation

Art.-No. **M699H**



Rigel Uni-Sim

UNI-SiM is a battery-powered handheld vital signs simulator

- Cost-effective and compact solution for testing 6 of the most common vital signs with a single battery-powered simulator.
- 6-in-1 vital sign simulation
- Full NIBP simulation including dynamic and static pressure simulation
- Leakage and excess pressure tests with comprehensive SpO2 and ECG simulation
- Fast start-up and simulation at the push of a button
- Simulation of all 6 vital signs by pressing a single key
- Precise, highly realistic simulations
- Fully synchronized simulation signals
- Customizable NIBP simulations
- Customizable, physiologically correct NIBP simulation for systolic and diastolic pressure
- Integrated automation and data storage
- Easy data record management for up to 5000 data records
- Highly adaptable simulator
- Universal SpO2 simulation with PULS-R in 1% resolution as of 30%

Art.-No. **M699F**



SECULIFE SP BASE

Digital SpO2 Simulator

- Small, portable, lightweight, rugged
- Intuitive user interface
- Color touchscreen
- Operation in preset or manual mode
- 6 oxygen saturation levels from 80 to 99%
- Heart rates from 30 to 240 BPM
- Adjustable perfusion index
- Pulse synchronized with instruments from the SECULIFE PS 100-300 and SECULIFE BP PRO series

Art.-No. **M696B**



Rigel Puls-R

SpO2 finger simulator

- SpO2 simulation from 30% in 1% steps
- Pre-programmed R curves
- Indicator lamp for visualizing the connection
- Compatible with RIGEL UniSim
- Heartbeat simulation of 30-300 bpm

Art.-No.	M699J



SECULIFE UP

Ultrasound wattmeter for power measurement at ultrasound systems

- Measuring ranges: 0 to 30 W and 0.5 to 10 MHz
- Resolution: 50 mW
- Pulse power measurement
- Continuous power measurement

Art.-No. **M695Y**



SECULIFE UL

Test instrument for measuring leakage current at ultrasound systems

- Testing of the upper and lower leakage current limit values
- Programmable test limits
- 1% accuracy over the entire range
- Data protocol with storage of 99 test reports
- PC utility software for setting up configurations and remote control

Art.-No. **M695X**



SECULIFE DP BASE

Precision Digital Measuring Instrument for Pressure Measurement

- Interface for YSI 700 temperature sensor
- 0.5% fs accuracy (temperature)
- Min/Max temperature value storage
- Min/Max pressure value storage
- RS-232 serial interface
- Range -13.50 to 100.00 psi
- Pressure scales cover psi, inH2O, cmH2O, and mmHg
- Digital calibration
- 16-bit pressure measurement
- Digital zero balancing

Art.-No. **M695S**

Testing medical imaging



GOSSEN's photometric technology supports standards-compliant quality assurance in medical imaging. The product portfolio includes high-precision measurement solutions for testing diagnostic workstations and diagnostic monitors in accordance with IEC 62563 and DIN 6868-157. Reliable measurement of luminance, illuminance, and other photometric parameters ensures safe image interpretation and compliance with regulatory requirements.

Contents

2 - 2 Testing room classes and image reproduction / color spectrum



MAVO-SPOT 2 USB

Luminance meter class B DIN 5032-7 for distance measurement with 1° measuring angle

- Spot measurement with 1° measuring angle
- SLR viewfinder with 1° measuring circle and 15° field of view
- Distance measurement from 1 m to oo, with optional close-up lenses from 34 cm
- Comparison and ratio measurement for uniformity, contrast, deviation
- Contact measurement via optional measuring head and adapter disk
- Recording, display and storage of the measured values via GLUX 2 software
- Measuring device and calibration from a single source!

Art.-No. **F508G**



MAVOMONITOR - KIT

High-precision contact measuring meter for luminance class B DIN 5032-7

- Extensive measuring functions, relative, integral, deviation, ratio measurement
- Recording of minimum value, maximum value and mean value calculation
- Data logger with adjustable log interval
- Large 4 GB measured value memory, readable via USB, such as an external drive on the PC
- Continuous operation via USB with power bank, plug-in power supply or on the PC
- EXCEL macros for reporting and data logging
- Measuring device and calibration from a single source!

Art.-No. **M537G**



MAVOSPEC LITE

Spectrometer for the practitioner with LUX, CCT, CRI

- Configurable measured value display
- Excellent temperature-compensated measured value stability
- Large 4 GB measured value memory, readable via USB, like an external drive on the PC
- Continuous operation via USB with power bank, plug-in power supply or on the PC
- EXCEL macros for reporting and data logging
- Measuring device and calibration from a single source!

Art.-No. **M530G**

Testing of electrical installations



Electrical test technology is the foundation for the safe operation of installations, systems, devices, and machines - from initial commissioning to regular periodic testing. It ensures that electrical protective measures function reliably, that people and property remain protected, and that all legal and regulatory requirements are met.

The test technology portfolio covers all areas of modern electrical engineering. It includes test instruments for electrical installations and systems, electrical devices and machines, and innovative solutions for renewable energy. This includes test technology for photovoltaic systems, e-mobility, and battery storage. With precise measuring technology, intuitive operation, and efficient documentation, the test instruments ensure that test procedures are safe, traceable, and productive.

Contents

3 - 2 Testing of electrical installations



PROFiTEST MF XTRA

Measuring and Test Instrument for Testing the Effectiveness of Protective Measures at Stationary Electrical Installations After Installation, Repair or Expansion, and for Periodic Testing (DGUV regulation 3)

- Context-sensitive color graphic display
- Measuring and test sequence – easy setup of the system structure / measuring and storage / report generation
- Preconfigured and user programmable test sequences for testing electric systems quickly
- Storage concept for up to 50,000 data records
- Testing of all up-to-date AC/DC sensitive RCDs, RDC-DDs and RCMBs
- User safety thanks to PE detection when using finger contact
- Measuring category: 600 V CAT III / 300 V CAT IV
- 4-wire measuring method – no compensation of the measurement cables is required
- RELOOP earth loop resistance measurement
- RE selective earthing resistance

Art.-No. **M535H**



PROFiTEST MF XTRA Profi-Set

PROFiTEST MF XTRA Profi Set for Testing the Effectiveness of Protective Measures at Stationary Electrical Systems After Completion, Repair, Expansion or Periodic Testing, Especially for the Fulfillment of DGUV Regulation 3

- Context-sensitive color graphic display
- Measuring and test sequence – easy setup of the system structure / measuring and storage / report generation
- Preconfigured and user programmable test sequences for testing electric systems quickly
- Storage concept for up to 50,000 data records
- Testing of all up-to-date AC/DC sensitive RCDs, RDC-DDs and RCMBs
- User safety thanks to PE detection when using finger contact
- Forward-looking connectivity

Art.-No. **M537M**



METRACELL BT PRO

Mobile test device for evaluating stationary battery strorage

- Compact and shock-proof due to ABS housing and rubber holster
- User guidance easy to use before, during and after the test
- CAT III 600V DC
- Rct and Rel measurement methods: possible electrical and electro-chemical damage to the battery block is reliably detected
- Battery operation: Up to 10 hours operating time
- Large internal memory: 300,000 records can be stored
- Voltage measurement: Designed for single and block voltage measuring up to 600V DC
- Capacity test: recording of discharge current and voltage curve
- Inclusion of all relevant parameters through optional accessories:
  - Temperature
  - Acid density
- Software: display, backup and logging of all measured values
- RFID Scanner: Use of RFID tags (125 kHz) for fast data acquisition possible
- Data transfer: transfer of battery databases is possible

Art.-No. **B100B**

General measurement technology



Multimeters and handheld calibrators from GOSSEN METRAWATT stand for precision, safety, and quality “Made in Germany.” They measure electrical quantities such as voltage, current, and resistance with the highest accuracy and combine reliability, convenience, and ruggedness in a single device. With true RMS measurement (TRMS), an automatic blocking socket (ABS), and an ergonomic design, the METRALINE, METRAHIT, and METRACAL series offer precise measurement results, maximum user safety, and certified quality - confirmed by a DAkkS calibration certificate and manufactured to the highest standards.

Contents

4 - 2 General measurement technology



SECULIFE HITAM

System Multimeter for the Field of Medical Technology, antimicrobial

- 23 multimeter functions
- Voltage measurement
- Auto-ranging current measurement from 100µA (resolution: 10nA) to 10A (16A)
- Capacitance and resistance measurement, diode and continuity testing
- Measuring categories: 600V CAT III and 300V CAT IV
- 1 kHz low-pass filter
- TRMS AC and AC+DC, 20 kHz bandwidth
- Data storage for more than 15,000 measured values
- Housing, cables and protective rubber holster with atimicrobial properties

Art.-No. **M687A**



SECULIFE HIT MD

TRMS System Multimeter for Use in Medical and Hygienic Sensible Ranges

- 23 multimeter functions
- Voltage measurement
- Auto-ranging current measurement from 100µA (resolution: 10nA) to 10A (16A)
- Capacitance and resistance measurement, diode and continuity testing
- Measuring categories: 600V CAT III and 300V CAT IV
- 1 kHz low-pass filter
- TRMS AC and AC+DC, 20 kHz bandwidth
- Data storage for more than 15,000 measured values
- Furnished with DAkkS calibration certificate

Art.-No. **M687B**



METRAHIT AM XTRA

TRMS system multimeter with digital display (12,000 digits), data logger and IR interface

- Integrated data logger for up to 15,400 measured values with IR interface for convenient PC connection and power pack socket for long-term measurements
- Additional filter function and voltage measurement with reduced input impedance for limiting interference, e.g. for measurements at frequency converters
- Broad range of functions with TRMS measurement (AC, AC+DC) up to 20 kHz and basic accuracy of up to ± 0.05%
- Highest levels of safety and durability thanks to patented automatic blocking sockets (ABS), impact resistant housing and measuring categories CAT IV 600 V and CAT III 1000 V
- Quality made in Germany including DAkkS calibration certificate and 3-year guarantee

Art.-No. **M240A**



METRAHIT IM XTRA BT

Multimeter, Milliohmmeter, Insulation Measuring Instrument, Coil Tester and Data Logger in a Single Instrument

- All-in-one instrument: multimeter, milliohmmeter, insulation tester, inter-turn short circuit tester and data logger in a single, compact handheld instrument
- Accurate 4-wire milliohm measurement with 200 mA and 1 A measuring current for bonding and lightning protection tests
- Insulation testing up to 1000 V in accordance with EN 61557-2 / VDE 0413-2 and inter-turn short circuit testing with optional COIL adapter – ideal for electric motors and generators
- Optional programmable sequences for guided measurement
- Data logger with real-time clock and Bluetooth interface for secure and convenient documentation
- Color graphic display, quick-change battery, and modular power supply for maximum flexibility
- Highest levels of safety thanks to automatic blocking socket (ABS), measurement category CAT IV 600 V / CAT III 1000 V
- Quality „Made in Germany" including a DAkkS calibration certificate and 3-year guarantee (can be extended to 5 years)

Art.-No. **M273S**

GMC instruments academy

Safety Through Knowledge

Knowledge as the foundation for safety and success

For over 119 years, GMC Instruments GmbH has always stood for precision, safety, and innovation in electrical measurement and testing equipment. Our products and services help industries, trades, and public institutions worldwide conduct standard-compliant testing of electrical systems, machines, and equipment, analyze energy and power quality, and ensure that modern technologies are being applied safely.

Electrical safety means responsibility - for companies, managers, and employees. Technology can only be fully utilized when it is understood and used safely.

The GMC instruments academy offers practical seminars, workshops, and training courses to help you specifically develop your expertise, strengthen your problem-solving skills, and ensure that you can apply your knowledge confidently every day on the job.

Contents

5 - 4 Testing medical devices

5 - 5 Testing of electric devices

5 - 7 Testing electrical installations and systems / power quality



Safety through knowledge — practical, understandable, worldwide

The challenge

Electrical test and measuring technologies are decisive for safety, quality, and efficiency of electrical systems and instruments. Lack of knowledge or outdated knowledge increases risks, delays test processes, and jeopardizes compliance with standards. Anyone assuming responsibility needs up-to-date, usage-oriented technical know-how that can be used immediately as part of everyday work. Electrical safety also means responsibility — for companies, managers, and teams.

The solution:
Further training in electrical measuring and testing technology

The GMC instruments academy combines technical expertise, practical knowledge, and didactic experience in a clearly structured, targeted further training portfolio. Seminars, training courses, and workshops provide insight into standards-compliant working, safe test procedures, and the professional use of state-of-the-art measuring and test instruments. After all, technology can only be fully utilized when it is understood and used safely.

Technical knowledge for professionals

Targeted further training for demanding test tasks for trades, industry, and medical technology. The content covers electrical safety, energy and power quality as well as medical technology, prepared in an understandable, clearly structured way with direct practical relevance.

Why our seminars are a compelling option

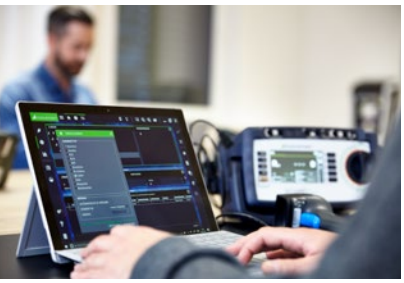
Practical training courses inspire confidence. Small groups make for an intensive learning experience. Certificates and extensive documentation ensure sustainable knowledge transfer. Meters and software are all available for practical training and allow trainees to put knowledge immediately into practice.

Quickly find the right seminar for you

You can find the right seminars with our new clearly structured online seminar wizard. Specific selection options include test task, meter, or topic area. All of which saves you time, reduces the coordination effort, and directly provides the right training for your technical needs.

Tailor your seminar to your needs based on your test task at

gmc-instruments.academy



Our learning formats — as flexible as your requirements

Our seminars provide specific training for demanding test tasks in electrical engineering. Content is tailored to actual applications, current standards, and typical requirements from everyday work.

Focus areas

+ Electrical safety
+ Energy and power quality
+ Medical technology

✓ **Seminars according to test task**

Standards-compliant test procedures, binding safety requirements, and typical applications are the focus. The seminars are geared to actual test tasks and reinforce the reliable implementation in day-to-day business.

✓ **Product training courses**

Manufacturer-specific training for the safe and efficient use of software relating to measuring and test instruments. The direct practical relevance ensures fast implementation and measurable benefits.

✓ **Basic training courses**

Sound basic knowledge of electrical engineering, standards, and safety creates a stable basis for standards-compliant working and safe test processes — conveyed clearly and with a structure tailored to practical requirements.

Four ways to practical further training

Our seminars combine knowledge of standards, test tasks, and practical application. Experienced trainers teach technical expertise in electrical safety, energy and power quality, and medical technology — manufacturer-independently. With four flexible training formats, we provide knowledge wherever it creates the greatest added value.

Seminars in Nuremberg

Centralized training courses with state-of-the-art equipment. Ideal for intensive training and direct knowledge sharing with experts.

Seminars near you

Regional events reduce travel times and ensure efficient further training of individual employees.

Seminars on your premises

In-house training courses for entire teams. Content tailored to products, test tasks, and customer structure of the subsidiary.

Online seminars

Live, interactive, dependable. Knowledge transfer without travel expenses, optimal for

Safety through knowledge — practical, understandable, worldwide



GTT1213

Measurements for testing the safety of electrical medical devices, for periodic testing, and after repairs in accordance with DIN EN 62353 VDE 0751

- Compatible hardware: SECUTEST S2N+/S2N+10/SIII+, SECULIFE ST HV
- Compatible software: –

Art.-No. **GTT1213000R0001**



GTT1413

Measurements for testing the safety of electrical medical devices, for periodic testing, and after repairs in accordance with DIN EN 62353 VDE 0751

- Compatible hardware: SECUTEST PRO IQ/ST PRO/PRO/SECULFE ST BASE25/ST BASE
- Compatible software: –

Art.-No. **GTT1413000R0001**



GTT1713

Measurements for testing the safety of electrical medical devices, for periodic testing, and after repairs in accordance with DIN EN 62353 VDE 0751

- Compatible hardware: SECULIFE ST PRO
- Compatible software: –

Art.-No. **GTT1713000R0001**



GTT1211

Measurements for testing portable operating equipment, for periodic testing in accordance with DIN EN 50699 VDE 0702, and after repairs in accordance with DIN EN 50678 VDE 0701

- Compatible hardware: SECUTEST S2N+10/S2N+
- Compatible software: –

Art.-No. **GTT1211000R0001**



GTT1411IQ

Measurements for testing portable operating equipment, for periodic testing in accordance with DIN EN 50699 VDE 0702, and after repairs in accordance with DIN EN 50678 VDE 0701

- Compatible hardware: SECUTEST ST PRIME 25 A/PRO/PRO BT COMFORT/BASE, SECUTEST PRO IQ/BASE IQ
- Compatible software: –

Art.-No. **GTT1411IQ0R0001**



GTT6200

Measurements for testing portable operating equipment, for periodic testing in accordance with DIN EN 50699 VDE 0702, and after repairs in accordance with DIN EN 50678 VDE 0701

- Compatible hardware: SECUTEST ST PRIME 25 A/PRO/PRO BT COMFORT/BASE, SECUTEST PRO IQ/BASE IQ
- Compatible software: IZYTRONIQ

Art.-No. **GTT6200000R0001**



GTT8200

Measurements for testing portable operating equipment, for periodic testing in accordance with DIN EN 50699 VDE 0702, and after repairs in accordance with DIN EN 50678 VDE 0701

- Compatible hardware: SECUTEST ST PRIME 25 A/PRO/PRO BT COMFORT/BASE, SECUTEST PRO IQ/BASE IQ
- Compatible software: ELEKTROMANAGER

Art.-No. **GTT8200000R0001**

GTT1224IQ

IZYTRONIQ Basic course: Fundamentals of portable objects in the user software

- Compatible hardware: –
- Compatible software: IZYTRONIQ

Art.-No. **GTT1224IQ0R0006**

GTT1226IQ

IZYTRONIQ Advanced course: Extended management of portable objects in the user software

- Compatible hardware: –
- Compatible software: IZYTRONIQ

Art.-No. **GTT1226IQ0R0006**



GTT1220IQ

Measurements for testing the effectiveness of protective measures in low-voltage systems, for initial testing per IEC 60364 DIN VDE 0100 and for periodic testing per DIN EN 50110 VDE 0105

- Compatible hardware: PROFiTEST MXTRA IQ/MTECH+ IQ/MPRO IQ, PROFiTEST MF TECH/MF XTRA
- Compatible software: –

Art.-No. **GTT1220IQ0R0001**



GTT1230IQ

Measurements for testing the effectiveness of protective measures in low-voltage systems, for initial testing per IEC 60364 DIN VDE 0100, for periodic testing per DIN EN 50110 VDE 0105 and for battery powered earth resistance measurements

- Compatible hardware: PROFiTEST MXTRA IQ/MPRO IQ, PROFiTEST MF TECH/MF XTRA
- Compatible software: –

Art.-No. **GTT1230IQ0R0001**



GTT1250

Measurements for testing the effectiveness of protective measures in low-voltage systems, for initial testing per IEC 60364 DIN VDE 0100 and for periodic testing per DIN EN 50110 VDE 0105

- Compatible hardware: METRALINE MF
- Compatible software: -

Art.-No. **GTT1250000R0001**



GTT6500

Measurements for testing the effectiveness of protective measures in low-voltage systems, for initial testing per IEC 60364 DIN VDE 0100 and for periodic testing per DIN EN 50110 VDE 0105

- Compatible hardware: PROFiTEST MXTRA IQ/MTECH+ IQ / MPRO IQ, PROFiTEST MF TECH/MF XTRA
- Compatible software: IZYTRONIQ

Art.-No. **GTT6500000R0001**



GTT6600

Measurements for testing the effectiveness of protective measures in low-voltage systems, for initial testing per IEC 60364 DIN VDE 0100, for periodic testing per DIN EN 50110 VDE 0105 and for battery powered earth resistance measurements

- Compatible hardware: PROFiTEST MXTRA IQ/MPRO IQ, PROFiTEST MF TECH/MF XTRA
- Compatible software: IZYTRONIQ

Art.-No. **GTT6600000R0001**

GTT1223IQ

IZYTRONIQ Basic course: Fundamentals of managing stationary objects in the user software

- Compatible hardware: –
- Compatible software: IZYTRONIQ

Art.-No. **GTT1223IQ0R0006**

GTT1225IQ

IZYTRONIQ Advanced course: Extended management of stationary objects in the user software

- Compatible hardware: –
- Compatible software: IZYTRONIQ

Art.-No. **GTT1225IQ0R0006**



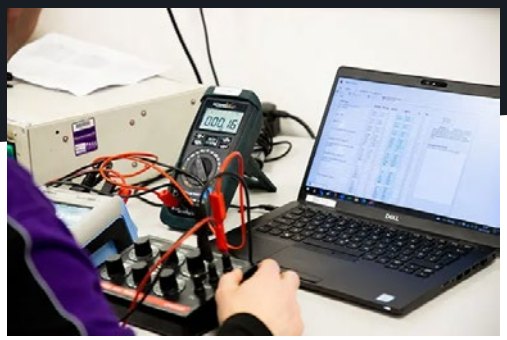
GTT1646

Monitoring of voltage quality in public supply networks per DIN EN 50160 as well as fault analysis with the HDPQ Plus, Mavowatt 230/240/270 power disturbance analyzers and DRAN-VIEW software

- Compatible hardware: HDPQ PLUS, MAVOWATT 230/240/270
- Compatible software: DRAN-VIEW

Art.-No. **GTT1646000R0001**

Calibrationhouse



Calibration, Maintenance and Repairs

As a manufacturer-independent calibration service and the exclusive authorized service provider for Gossen Metrawatt and all brands under GMC instruments - from Camille Bauer and Rigel Medical to Dranetz, Seaward, and Gossen - the service provider Calibrationhouse combines technical expertise with a comprehensive range of services.

Our laboratories are DAkkS- and UKAS-accredited and meet the requirements of DIN EN ISO/IEC 17025. That is how we can guarantee you reliable measurement results, maximum precision, and full audit compliance.

With METRACHECK and our structured service packages, your measuring technology will be ready for use at all times - economically, predictably, and reliably.

In our modern calibration laboratory in Nürnberg, digital processes and standards-compliant quality assurance ensure maximum transparency and efficiency. We are built on over 119 years of experience in the calibration and maintenance of electrical test equipment.

As a result, you can be sure that your test equipment is always ready for use, minimize downtime, and maximize reliability during operations.

Contents

6 - 3 Services



Calibrationhouse — Your service partner

For calibration, maintenance, and more

As a manufacturer-independent calibration service and the exclusive authorized service provider for Gossen Metrawatt and for all brands under GMC instruments — from Camille Bauer and Rigel Medical to Dranetz, Seaward, and Gossen — the service provider Calibrationhouse combines technical expertise with a comprehensive range of services.

Our laboratories are DAkkS- and UKAS-accredited and meet the requirements of DIN EN ISO/IEC 17025. That is how we can guarantee you reliable measurement results, maximum precision, and full audit compliance.

Calibrationhouse offers industry-specific solutions for:

+ Industry and manufacturing
+ Energy supply
+ Automotive and mobility
+ Test laboratories and measurement technology
+ Medical technology

Our cross-manufacturer services

✓ **Straightforward commissioning**

Our clearly structured job and order process takes you step-by-step through the commissioning process — fast, transparent, and without any unnecessary effort.

✓ **DAkkS calibration and factory calibration**

Precise, standards-compliant calibration of electrical and optical variables, as well as official calibrations — traceable, audit-proof, and including function test.

✓ **Test equipment management and digitalization**

Digital management with IZYCHECK.IQ — including calibration reminders, status messages, and direct certificate download.

✓ **Rental instruments**

Minimize downtimes and optimize peak workloads with our flexibly rentable instruments.

✓ **DGUV V3 tests**

As an add-on we can conduct these tests of electrical equipment in our Service Center — legally secure, documented, and compliant with health and safety regulations.

✓ **On-site calibration**

Elimination of shipping costs and risk with minimal downtime. We conduct factory calibrations on your premises as part of a straightforward process. Find out more now.

Additional services for GMC Instruments products

✓ **Reliable repair and maintenance**

Rapid, reliable repairs, adjustment, and testing of all GMC Instruments products according to manufacturer and standards specifications.

✓ **Updates and upgrades**

Regular firmware and software updates and upgrades keep your GMC Instruments products up to date and ready to use.

✓ **Convenient online ordering**

You can order meters, accessories, and original replacement parts directly from our IZYCHECK.IQ marketplace.

✓ **Service packages and individual agreements**

Make sure your instruments are always ready to use and leverage VIP advantages. Together with you, we will find the optimum solution for you.

METRACHECK 36

METRACHECK 36

Service package for PROFITEST and SECUTEST with a term of 36 months

- All-in-one coverage: repair, adjustment, calibration, and final testing included
- Guaranteed 7-day processing: Back in service quickly - without long downtimes
- Optimized life cycle costs: fixed service costs for the entire service life
- Efficient test equipment management: The IZYCHECK.IQ portal gives you a clear overview - including a reminder service
- Maximum operational readiness: firmware updates, battery packs, and buffer batteries included

Art.-No. **Z400B**

METRACHECK 60

METRACHECK 60

Service package for PROFITEST and SECUTEST with a term of 60 months

- All-in-one coverage: repair, adjustment, calibration, and final testing included
- Guaranteed 7-day processing: Back in service quickly - without long downtimes
- Optimized life cycle costs: fixed service costs for the entire service life
- Efficient test equipment management: The IZYCHECK.IQ portal gives you a clear overview - including a reminder service
- Maximum operational readiness: firmware updates, battery packs, and buffer batteries included

Art.-No. **Z400D**

IZYCHECK .IQ SERVICES CLOUD

IZYCHECK.IQ CLOUD SERVICES

Professional, secure, and state-of-the-art job and test equipment management

- Detailed view for each individual piece of test equipment incl. order status in real time.
- Immediate, legally secure provisioning of calibration certificates, verification certificates, and other documents.
- IZYCHECK.IQ marketplace for convenient ordering of instruments, accessories, and replacement parts.
- Reminders and management of upcoming calibrations in the actual calibration interval.

Art.-No. **S110ZZ**



Calibrationhouse — The on-site calibration service

For your electrical measuring and test instruments

As a manufacturer-independent calibration service and the exclusive authorized service provider for Gossen Metrawatt and all brands under GMC Instruments, Calibrationhouse brings decades of calibration expertise straight to you.

Our on-site calibration helps you reduce downtimes, avoid transport and administration costs while ensuring standards-compliant, documented results — efficient, flexible, and audit-proof.

Our experienced calibration technicians calibrate your electrical measuring and test instruments directly at your location — precisely in accordance with ISO specifications (factory calibration). Providing you with maximum process reliability with minimal downtime.

Your on-site advantages

✓ **Minimum downtime**
You cannot get any less downtime! Within no time at all, your test equipment is ready to use again.

✓ **Elimination of shipment and risk**
Your instruments remain safely on your premises even during the calibration and you have no risk, wasted time, or administrative costs whatsoever.

✓ **Time and resource savings**
You commission us, we look after the rest. Our qualified personnel looks after the planning and implementation through to complete documentation of the calibrations.

✓ **Personalized specialist advice**
Together with your personal contact, we will find the best solution for your calibration requirements. Whether at your location or in our accredited laboratory.

✓ **Manufacturer-independent and flexible**
We calibrate instruments from various manufacturers/brands — efficiently as part of a single appointment.

✓ **Standards-compliant calibration**
Compliant with ISO 9001, documented, and traceable including calibration certificate.

✓ **Replacement of wear parts**
If necessary and if possible, we replace common wear parts such as fuses and batteries directly.

✓ **Fast response time**
Thanks to global expertise, local presence of our specialist personnel, and a fleet of fully equipped on-site vans.



Our manufacturer-independent on-site service portfolio

Test instruments and safety testers

- Safety testers and safety analyzers
- Machinery, systems, and installation testers
- PAT testers
- DGUV and VDE test instruments
- Test instruments for stationary electrical systems

Other electrical meters

- Digital and analog multimeters
- Handheld and benchtop multimeters
- Clamp meters/current clamps
- Voltage testers
- Data loggers
- Power analyzers

Our electrical on-site measured quantities

- Direct and alternating current
- Direct and alternating voltage
- Ohmic resistance
- Time and frequency

Manufacturers and brands that we calibrate

- Beha-Amprobe
- Benning
- Camille Bauer
- Chauvin Arnoux
- Dranetz
- Flir
- Fluke
- Gossen Metrawatt
- Hioki
- Keithley
- Keysight
- Megger
- Metrel
- PCE
- PeakTech
- Rigel Medical
- Safetytest
- Seaward
- Uni-T
- Voltcraft
- Yokogawa
- and many more

Worldwide our in-house laboratories are DAkkS- and UKAS-accredited and meet the requirements of DIN EN ISO/IEC 17025. Both at your location and in our laboratories, we guarantee for you reliable measurement results, maximum precision, legal certainty, and full auditability.

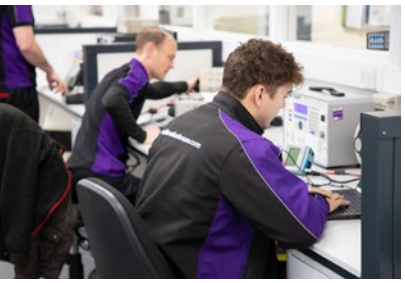
Details of on-site calibration:

Find out more now, get in touch, and we will be happy to advise you.

Your direct route to calibration, maintenance, and service

Call us or use our digital services at
www.calibrationhouse.com

Contact us personally: Mon.–Thurs. 8:00 a.m. – 4:30 p.m.• Fri. 8:00 a.m. – 1:00 p.m.



Your Global Partner for Calibration and After-Sales Service

International expertise. Local support.

With state-of-the-art calibration laboratories, experienced specialists, country-specific accreditations, and comprehensive expertise, Calibrationhouse is your reliable partner for calibration and technical after-sales services.

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Edison, NJ 08817 (USA)
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www.calibrationhouse.com

Your benefits at a glance

+ Calibrations certified according to audits and standards
+ Accredited laboratories for the highest quality standards
+ Short response times and excellent on-time delivery
+ Traceable measurement results for maximum accuracy
+ International service expertise with local contacts

You can count on us

With standardized processes, a high level of technical expertise, and reliable services, we support you nationwide and worldwide.

The result: reliable measurement results, high process reliability, and collaborative support throughout the entire product lifecycle.

Please contact us to discuss your needs for calibration, maintenance, and international services.

www.calibrationhouse.com

Power quality



A stable power quality is essential for electrical systems to operate safely. Our power quality solutions provide proof of compliance with international standards such as EN 50160 or IEEE 519 and enable targeted fault analysis and condition monitoring. With certified Class A or Class S meters, power quality parameters are displayed transparently and can be traced. In addition, our Power Quality as a Service (PQaaS) concept offers customized solutions for integration into operational ecosystems.

Contents

7 - 2 Stationary and mobile measurement technology



LINAX PQ1000

Stationary PQ measurement technology in class S as front panel mounting (96 x 96 mm).

- Independent certification according to IEC 62586-2:2017+AMD1:2021 (functional tests) by the Swiss Federal Institute of Metrology METAS, Independent certification according to IEC 61000-4-30:2015+AMD1:2021, Class S
- Support of the standardized, manufacturer-independent PQDIF format according to IEEE 1159.3
- Adjustable event recording duration
- Report generation via the device's web interface (PQ Easy Report)
- Cyber security (OT) / cyber protection
- Optional PME control center: PME sensors for recording up to 100 currents via radio signal
- Event display via website with time zoom and value reading
- Average power values with trend analysis to avoid load peaks
- Load profile storage with fluctuation bandwidth (min/max) per interval
- Active energy class (IEC 62053-22:2003) 0.2S (/5A), reactive energy class (IEC 62053-24:2014) 0.5S
- Further average values and counters with selectable base size

For ordering details, please see the website and configurator



LINAX PQ3000

Stationary power quality measurement technology in class A as front panel mounting (144 x 144 mm).

- Independent certification acc. IEC 62586-2 by Federal Institute of Metrology METAS
- Support for standardized, manufacturer independent PQDIF format acc. IEEE 1159.3
- Definable event recording duration
- Event display via website with time zooming function and reading of values
- Report generation via the device's web interface (PQ Easy Report)
- Cyber security (OT) / cyber protection
- Optional PME control center: PME sensors for recording up to 100 currents via radio signal
- Power mean-values with trend-analysis for preventing load-peaks
- Load profile storage with fluctuation range (min/max) per interval
- Active energy class 0.2S, Reactive energy class 0.5S (HT/LT, demand/delivery), configurable resolution
- Further mean-values and meters with selectable base quantity

For ordering details, please see the website and configurator



HDPQ PLUS

Class A power quality analyzer series with touchscreen, transient recorder (up to 1µs) and the option of 400 Hz monitoring!

- Visa, Guide, Xplorer and Xplorer400 versions.
- Tests both 50 Hz / 60 Hz and 400 Hz networks - for specialized aviation, marine, military and other applications
- 1 MHz sampling for transients up to 2000 Vpeak
- IEC 61000-4-30 Class A (certificate)
- Supraharmonics up to the 127th order
- Power/energy analysis Class 0.2S
- 7-inch color touch LCD for direct on-site analysis
- Power Quality Analysis Software Dran-View 7 included
- Ethernet communication for remote control and data download

For ordering details, please see the website and configurator

Energy management



Efficient energy management is the foundation for sustainable and economical use of electrical energy. Our systems enable precise recording and analysis of high-resolution energy data - including MID-compliant billing. Through strategic planning, monitoring, and optimization of energy flows, it is possible to improve efficiency, reduce costs, and sustainably lower CO_2 emissions. With integrated functions for energy controlling and load management, our solutions support the targeted analysis and optimization of energy consumption and grid utilization - for example, in industry, production facilities, or data centers.

Contents

8 - 2 Energy meters (MID-certified)



ENERGYMID LPWAN

Energy Meters supporting the LoRaWAN® Protocol

- Multifunctional energy meter with MID certification for direct connection (80 A) or transformer connection (1–5(6) A)
- Integrated wireless interface based on the LoRaWAN® standard in a compact 4 TE housing
- Universal use thanks to versions for 2-, 3-, and 4-wire networks and 100/110 V, 230 V, and 400 V rated voltage
- Cost-effective installation by eliminating communication lines and through time-saving integration into existing LoRaWAN® networks
- No battery replacement required as the interface is powered by the measurement voltage
- Function update of the interface via FUOTA
- 4-quadrant measurement: energy input and output
- Measurement of THD for current and voltage as well as neutral conductor current I_N
- Simple and time-synchronized energy data recording for load profiles and billing

For ordering details, please see the website and configurator



ENERGYMID TCP/IP

Multifunctional Energy Meter with Modbus TCP Interface

- Multifunctional energy meter with MID certification for direct connection (80 A) or transformer connection (1 - 5(6) A)
- Ultra-compact 4 HP (72 mm) design with Ethernet interface and Modbus TCP and BACnet IP protocol
- Quasi online values thanks to fast data transmission via Ethernet
- Universal use thanks to versions for 2-, 3- and 4-wire networks and 100/110 V, 230 V and 400 V rated voltage
- Easy data access via integrated web server and ENERGYMID tool
- Future-proof and secure thanks to firmware updates - even for meters installed in the field
- Optionally with integrated meter reading cycle as a data buffer for high data quality
- 4 Quadrant measurement: energy consumption and output
- Recording of THD for current and voltage as well as neutral conductor current I_N for transparency in the electrical grid

For ordering details, please see the website and configurator



ENERGYMID TCP/IP (PTB-A 50.7)

Energy Meters with Certified Load Profile per PTB-A 50.7

- Multifunctional energy meter with MID certification for direct (80 A) or transformer connection (1–5(6) A)
- Certified load profile per PTB-A 50.7 for 4 years (15-min. values)
- Time synchronization ensured via time server (NTP)
- Extremely compact design (4 standard width units = 72 mm) with Ethernet interface and Modbus TCP protocol
- Near real-time values thanks to fast data transmission via Ethernet
- Universal application with versions for 2-, 3-, and 4-wire networks and 100/110 V, 230 V, and 400 V rated voltage
- Easy data access via integrated web server and ENERGYMID tool (including CSV export)
- High data quality and legal certainty due to integrated meter reading history memory
- 4-quadrant measurement: energy consumption and supply
- Acquisition of THD for current and voltage as well as neutral conductor current IN for transparency in the electrical grid

For ordering details, please see the website and configurator

Software and systems



Powerful software solutions are the heart of modern monitoring and analysis systems. They record, visualize, and analyze measurement data in real time to ensure transparency about energy flows, power quality, and system status. Our software and system platforms enable the efficient integration of measuring devices, support energy management in accordance with ISO 50001, and offer scalable solutions for monitoring, analysis, and optimization - from individual sites to international corporate networks, and from mobile to stationary installations.

Contents

9 - 2 Monitoring

9 - 3 Power quality analysis

SmartCollect SC²



Innovative and scalable multi-component software

- Power Monitoring and Power Quality Software
- Interactive single-line diagram
- Flexible dashboards
- Event and warning messages
- Integration of numerous devices from different manufacturers
- WebGUI integration of measuring devices
- Sophisticated zoom function
- Interactive 2D/3D views
- PQEasy functions
- Secure web browser-based system

For ordering details, please see the website and configurator

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METRAVIEW Basis

METRAVIEW – Your Energy Data Platform

- 100 % web-based: Access from any end device - without local installation.
- Modular and scalable: METRAVIEW grows with your requirements. Individual function modules can be flexibly combined - from basic visualization to complete energy management in accordance with ISO 50001.
- Manufacturer-independent and open: Open standard interfaces such as OPC UA, MQTT, Modbus or ECL enable the simple integration of existing meters, systems and third-party devices.
- Intelligent alarming and trend analysis: The integrated alarm and trend platform monitors processes in real time, detects deviations at an early stage and ensures maximum system availability.
- Individual dashboards and SCADA visualization: User-defined dashboards and high-quality process images clearly display energy and process data - intuitive to use and optimized for all display sizes.
- Automated reporting: Flexible reporting with configurable reports and automatic dispatch by e-mail or FTP - without programming effort.
- Multi-client capable user management: Fine-grained rights management for different user groups and locations - ideal for distributed organizations and service partners.

For ordering details, please see the website and configurator

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METRAVIEW Energy

METRAVIEW Energy – the Module for Software-Supported Energy Management

- Energy data recording: Complete recording and evaluation of all energy and media consumption - including electricity, gas, water, heat and compressed air - automated or manual.
- Energy management in accordance with ISO 50001: Support in the introduction and active phase in accordance with ISO 50001 / 50006 / 50015. Recording, evaluation and optimization of energy-related processes based on the PDCA cycle.
- Energy performance indicators (EnPI): Creation and management of individual indicators to evaluate energy efficiency. Basis for transparent and comparable energy analyses.
- Balancing group analyses and measurement concepts: Presentation and plausibility check of measurement concepts with balance trees, Sankey and flow diagrams for a holistic energy view.
- Cost and consumption reports: Automated creation of energy and cost reports with freely definable time periods, hierarchies and cost centers.
- Meter management and media management: Recording and allocation of meters, media and tariffs in a clearly structured hierarchy.
- Forecasts and action tracking: Plausibility check of historical data, trend analyses and tracking of energy efficiency measures based on the PDCA cycle.
- Open interfaces: Standardized communication via OPC UA, Modbus, MQTT, MSCONS or ECL for connecting existing systems and third-party devices.
- Multi-client capable structure: Multi-user capable platform with role-based access and detailed assignment of rights for different organizational units and locations.

For ordering details, please see the website and configurator

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Dran-View Enterprise

Operation and evaluation with Dran-View

- Scrollable and flexible diagrams can be generated and analyzed
- Individual range markers and delta function
- Customized and automated reports
- "Rescue kit" – Corrects the measured values of incorrectly connected current probes and incorrect time stamps
- Customized views ensure the correct overview
- Harmonics tool – Simulate and analyze ramping generators and switch-on processes
- Event tables
- Define your own formulas and conditions
- Snapshot – Record any number of trend curves or waveform diagrams
- Add comments and images, e.g., of damage incurred, for documentation purposes

For ordering details, please see the website and configurator

Reliably test medical devices. Deepen your knowledge with focus.

Testing medical devices places high demands on the technology, testing processes, and documentation. Our Healthcare Knowledge Pages give you in-depth information on relevant standards and regulatory requirements, as well as practical orientation for electrical safety and functional tests. We've put our expertise into a concise format to help you test medical devices in compliance with standards, efficiently, and with complete documentation.

We' have compiled an overview of our wide range of topics for you on the next page. It's worth a look!

gmc-i.link/en/healthcare

IEC 62353, IEC 60601, and VDE 0751 compared

Which standard applies to which phase of a medical device's life cycle.



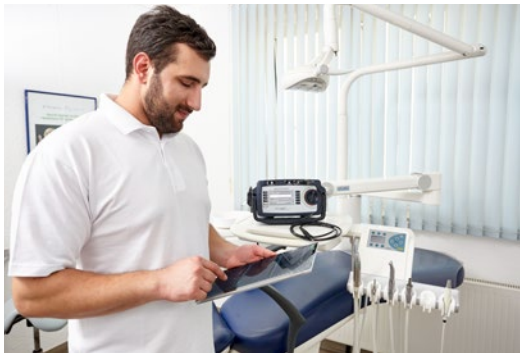
Safety tests and functional tests in practice

Reliably perform electrical safety tests, safety and metrological inspections, and functional tests.



Testing medical devices reliably and in compliance with standards

Which tests are required and what requirements must considered during them.



Implementing the MDR and Medical Device Operator Regulation (MPBetreibV) reliably

The most important requirements for operators, maintenance, and documentation.



Testing, measuring, and documenting medical devices

In hospitals, clinics, care facilities, and medical care centers, electrical safety is a top priority.



Testing medical devices reliably

Regular safety and functional tests are essential to ensure that medical devices can be used reliably and safely.



GMC instruments

GOSSEN METRAWATT
CALIBRATION HOUSE
CAMILLE BAUER
SEAWARD
GMC instruments academy
DRANETZ
GOSSEN
PROSYS
RIGEL MEDICAL
KURTH ELECTRONIC

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