# SAFE SAVINGS!

# MEASURING & TEST TECHNOLOGY AT ATTRACTIVE TERMS.



Valid in Europe (except Germany and Austria) Subject to prior sale



## Machine testers



#### Profi Package

#### **PROFITEST | PRIME AC**

Standard test instrument set for testing the effectiveness of protective measures in electrical installations in compliance with the standards, as per IEC 60364-6, as well as machines and systems as per IEC 60204-1. Including DAkkS calibration certificate.

- Low-resistance measurement for protective and equipotential bonding conductors with 200 mA and automatic polarity reversal
- + High-voltage testing: 2.5 kV AC, 500 VA with
- Insulation measurement up to 1000 V with rising ramp
- Measurement of leakage and differential current



# Art. No. M630K / Code: A1 SPECIAL PRICE! 1,375.00\*

#### ■ GOSSEN METRAWATT

#### Low-Resistance Measuring Instrument

#### METRAOHM | 10

The new METRAOHM 10 low-resistance measuring instrument has been developed for standards-compliant testing of protective conductors and equipotential bonding conductors in accordance with DIN 18014 and DIN VDE 0413-4. The test instrument facilitates high-precision resistance measurement by means of the four-wire measuring method.

- + 200 mA and 10 A test current
- Four-wire measurement for maximum precision
- Kelvin clips for milliohm measurements

## Installation Testers



#### Starter Package

#### **PROFITEST** | MF XTRA

Starter package with PROFITEST MF XTRA and defined accessories for testing the effectiveness of protective measures at stationary electrical installations in accordance with testing standards IEC 60364-6 (DIN VDE 0100-600) and EN 50110-1 (DIN VDE 0105-100). Measuring category: 300 V CAT IV/ 600 V CAT III. Including DAkkS calibration certificate.

- + Context-sensitive color graphic display
- Preconfigured and user programmable test sequences for testing electric systems quickly
- + Help functions with wiring diagrams
- High level of user safety with protective mechanisms such as PE detection
- Compensation of measurement cable via four-wire measurement method



# SPECIAL PRICE! 1,099.00\*

#### ■ GOSSEN METRAWATT

#### **Installation Tester**

#### **METRALINE** | MF

Installation tester for standards-compliant testing in electrical systems and installations in accordance with IEC 60364-6 (DIN VDE 0100-600), DIN EN 50110-1 (DIN VDE 0105-100), IEC 61851-1 (DIN VDE 0122-1) and the corresponding sections of EN 61557 (VDE 0413). Including factory calibration certificate

- + Optimized value for money
- From testing to results in just a few clicks



**METRALINE** | EVSE IT

- Modern scope of functions
- Easy handling thanks to help function and acoustic signals

#### **SEAWARD**

#### Photovoltaic System Tester

SEAWARD | PV:1525

The new SEAWARD PV:1525 is the ideal handheld instrument for testing the electrical safety of photovoltaic systems. Voltage measurement for up to 1500 V DC in accordance with DIN EN 62446-1 / VDE 0126-23-1 and short-circuit current measurement for up to 25 A ensure that you're well equipped for future photovoltaic systems.

- Measurement of open-circuit voltage Uoc up to 1500 V DC
- + Measurement of short-circuit current Isc up to 25 A
- + Insulation resistance voltage up to 1500 V DC
- Measurement of low-resistance continuity with 200 mA
- With current clamp for the measurement of operating current/power
- + Bluetooth interface for updates

NEW!

Art. No. 601A910 / Code: A1



**INTRODUCTORY PRICE!** 

2,879.00\*



# Tester for E-Charging Cables PROFITEST | H+E CABLE

For the testing of mode 2 (IC-CPD) and mode 3 e-charging cables – compact, mobile, and particularly efficient. Automated test routines as per the manufacturer's specifications

- Automated test sequences in accordance with manufacturer's specifications
- + Manufacturer database
- Individual testing by qualified electricians, password-protected
- Direct connection of Mode 2 / 3 charging cables

ensure standards-compliant safety directly on-site. Ideal for workshops, fleet operators, and service providers. Including factory calibration certificate

- Allows connection of keyboard, barcode, and QR code reader for input
- Testing of 1- and 3-phase charging cables
- With integrated printer



# Measuring technology

# for illuminance measurement



#### **GOSSEN**

#### Luxmeter

**MAVOLUX** | 5032 B - KIT

Together, MAVOMASTER and MAVOPROBE LUX 5032 B form a high-precision luxmeter, classified as Class B according to DIN 5032-7, DIN EN 13032-1 Annex B, and ISO/CIE 19476. This device measures how intensely a surface is illuminated in lux (lx) or foot-candles (fc).

- High-resolution measuring range for emergency lighting
- Grid measurement for the assessment of workplaces and indoor lighting
- Extensive measuring functions, relative, integral, deviation, ratio measurement
- Large 4 GB measured value memory; can be read via USB as an external drive on PC

#### **GOSSEN**

#### Luxmeter

#### MAVOSPEC | LITE

The MAVOSPEC LITE determines all key values required for a practical evaluation of modern lighting: illuminance, color temperature, color rendering, color coordinates, and spectral power distribution.

- Configurable measured value display
- Excellent temperaturecompensated measurement stability
- Large 4 GB measured value memory; can be read via USB as an external drive on PC
- Continuous operation via USB with power bank, adapter, or on PC



### Multimeters

# for electric drive technology and automotive engineering



#### Multimeter

#### **METRAHIT** | IM E-DRIVE BT

Multimeter, milliohmmeter, insulation measuring instrument, coil tester and data logger for hybrid and electric drives. The METRAHITIM E-DRIVE BT is multimeter, milliohmmeter, insulation measuring instrument, coil tester and data logger in one. Applications include servicing and diagnostics for electric machines and systems, in particular in the automotive industry, in electric machinery manufacturing and in aviation technology. Including DAkkS calibration certificate.

- Milliohm measurement using 4-wire connection (Kelvin measurement) with 200 mA or 1 A
- Insulation tester with test voltages from 50 to 1,000 V
- HV safety test as per UNECE R100
- Inter-turn short circuit test with
   1,000 V test voltage
- Test sequence for automatic measurement
- Optional: Graphic display for signal curve and measurement data memory
- + Including Kelvin clip and probe



#### ■ GOSSEN METRAWATT

#### Multimeter

#### **METRAHIT** I IM XTRA BT

Multimeter, milliohmmeter, insulation measuring instrument, coil tester and data logger in a single instrument. The METRAHIT IM XTRA BT is multimeter, milliohmmeter and data logger in one.

Industrial applications can be found in production and testing, as well as for servicing in the fields of electrical engineering, machinery manufacturing and automotive engineering. Including DAkkS calibration certificate.

- Milliohm measurement using
   4-wire connection (Kelvin measurement) with 200 mA or 1 A
- Insulation tester with test voltages from 50 to 1,000 V
- Inter-turn short circuit test with
   1,000 V test voltage
- High-end TRMS multimeter with a bandwidth of 100 kHz
- Test sequence for automatic measurement
- Optional: Graphic display for signal curve and measurement data memory
- + Including one pair of Kelvin clips



# **Universal Multimeters**



#### **■ GOSSEN** METRAWATT

# Universal Multimeter METRAHIT | AM XTRA

TRMS system multimeter with digital display (12,000 digits), data logger and IR interface Including DAkkS calibration certificate.

- 23 multimeter functions for universal use in all fields of electrical engineering
- + Digital display and analog scale

- Automatic measuring range selection and measured value storage
- TRMS measurement up to 20 kHz with 12,000 digits
- Clip function for current
   measurement with current sensors
   and current transformers
- Rubber holster for protection against shocks and impacts
- Measuring categories CAT IV up to 600 V and CAT III up to 1000 V.



#### ✓ GOSSEN METRAWATT

#### **Universal Multimeter**

#### **METRAHIT** | WORLD

This professional TRMS multimeter with digital display (6,000 digits), analog bar graph and IR interface provides all the measurement functions of a high-end, versatile multimeter: Convincing technology with voltage, resistance, current and temperature measuring ranges, as well as many additional measuring functions, plus automatic functions such as frequency, duty cycle and RPM measurement. Measuring categories CAT IV up to 600 V and CAT III up to 1000 V. Including DAkkS calibration certificate.



#### ■ GOSSEN METRAWATT

#### Universal Multimeter

#### METRAHIT | 2+

This cost-effective entry-level TRMS multimeter offers all of the measuring functions of a versatile multimeter: + Measurement of voltage and current, AC and DC, resistance, temperature, frequency, continuity/diodes and many other measurement and automatic functions. Measuring category CAT III up to 600 V. Including DAkkS calibration certificate.

# Ingeniously simple. Simply ingenious. Save smart today. METRALINE – A must-have for every professional electrician!

#### Earth Resistance and Low-Resistance Measuring Instrument

#### **METRALINE** | EARTH

METRALINE EARTH allows for professional measurement of earth resistance and low-resistance measurement with ≥ 200 mA in accordance with DIN EN 61557-4 / VDE 0413-4.

Art. No. M590R / Code: B7

1,075.00\*

#### Digital Low-Resistance Measuring Instrument per EN 61557-4

#### METRALINE | RLO CHECK

Digital low-resistance measuring instrument per DIN EN 61557-4 / VDE 0413-4 with cable reel and 30 m cable for measuring the resistance of protective conductors and equipotential bonding conductors.

Art. No. M630W / Code: A3



#### Current-Voltage Tester with 7-Segment Display **METRALINE** | VC SENSE

This current-voltage tester permits contactless and single-pole voltage measurement from greater than 90 V to 1000 V L-L.

Art No M611L / Code: B7



#### Contactless Voltage Tester

#### **METRALINE** | VT SENSE

Contactless voltage tester with slimline, insulated measuring sensor for fast, contactless voltage indication.

Art. No. M611K / Code: B7



2-Pole Voltage Tester

#### **METRALINE** | VT LED

2-pole voltage tester for standards-compliant testing in accordance with DIN EN 61324-3 within a range of 12...1000 V AC / 12...1500 V DC.

Art. No. M611G / Code: B7



#### 2-Pole Voltage Tester, LCD Display **METRALINE** | VT LCD

2-pole voltage tester for standards-compliant testing in accordance with DIN EN 61324-3within a range of 12...1000 V AC / 12...1500 V DC, equipped with LCD display.

Art. No. M611H / Code: B7



#### **RMS Digital Multimeter**

#### **METRALINE** | DM41

RMS multimeter with voltage, resistance, current and temperature measuring ranges, plus lots of additional measuring functions and automatic functions such as frequency and duty cycle measurement.

Art. No. M192A / Code: A2



#### **TRMS Digital Multimeter**

#### METRALINE | DM62

With analog bar graph. Voltage, resistance, current and temperature measuring ranges, as well as other measuring functions and automatic functions such as frequency and duty cycle measurement.

Art. No. M197A / Code: A2



#### Clipping Multimeter

#### **METRALINE** | DM61

Clipping multimeter for current measurement with optional clamp. Voltage, resistance, current and temperature measuring ranges, plus numerous additional measuring functions and automatic functions.

Art. No. M194A / Code: A2



#### Current Clamp Transformer, 1...1000 A AC METRALINE | WZ1001

AC clamp meter with transformation ratio of 1000:1. Suitable for METRALINE DM61.

Art No. 7194A / Code: A2



#### **Current Clamp**

#### **METRALINE** | CM 400

The current clamp is the optimal solution for precise measurement of AC and DC currents up to 400 A. This professional current meter is especially suited to applications in solar and industrial environments. Featuring an LCD display with background illumination, automatic shutoff, and LPF, this innovative instrument offers a wide range of measurement functions.



Art No M611M / Code: B7

179.00\*

#### **Current Clamp**

#### **METRALINE** | PV 1500

The METRALINE PV 1500, with its large, drop-shaped opening, is especially suitable for effective AC/DC current measurement on busbars up to 1000 A. Equipped with a backlit LCD display, automatic shutoff, and LPF, this innovative device offers a wide range of measurement functions, from resistance measurement to non-contact voltage detection.



Art. No. M611N / Code: B7

289.00\*

# Test Adapter for Electric Charging Points (single/3-phase, type 2) for PROFITEST

#### **METRALINE** | PRO-TYP EM I

Single and 3-phase test adapter with type 2 plug for testing the effectiveness of protective measures at electric charging points with the Profitest Master. Simulation of fictitiously connected electric vehicles and simulation of current-carrying capacity per IEC 61851-1.



Art. No. Z525F / Code: A2

549.00\*

# Test Adapter for Electric Charging Points (single/3-phase, type 2) for PROFITEST with Schuko Socket

#### METRALINE | PRO-TYP EM II

Single and 3-phase test adapter with type 2 plug for testing the effectiveness of protective measures at electric charging points with the Profitest Master. Simulation of fictitiously connected electric vehicles and simulation of current-carrying capacity per IEC 61851-1.

Art. No. Z525G / Code: A2



599 00\*

# Loop Resistance Measuring Instrument METRALINE | ZCHECK

The test instrument is used to measure earthfault loop impedances and line impedances.

Art. No. M507A / Code: A2



#### **RCD Tester**

#### **METRALINE** | RCDCHECK

Measuring instrument for testing the characteristics of RCCBs.

Art. No. M507B / Code: A2



#### Insulation Tester

#### **METRALINE** | ISOCHECK

Facilitates the measurement of insulation resistance with test voltages between 50 and 1000 V in accordance with VDE 0413-1, 2 (DIN EN 61557-1, 2). The measuring range runs from 100 k $\Omega$  to 10 G $\Omega$ .

Art. No. M507C / Code: A2



# 3-Phase Adapter for Test Instruments and CEE Outlets

#### METRALINE | A3-32

 $3\mbox{-phase}$  current adapter for connecting test instruments to  $5\mbox{-pole}$  CEE outlets

Art. No. Z611P / Code: B7



169\*

#### 3-Phase Adapter for Test Instruments and CEE Outlets

#### METRALINE | A3-16

3-phase current adapter for connecting test instruments to 5-pole CEE outlets



Art. No. Z6110 / Code: B7

119.00\*

# 3-Phase Adapter for Test Instruments and CEE Outlets

#### METRALINE | A3-63

 $3\mbox{-phase}$  current adapter for connecting test instruments to  $5\mbox{-pole}$  CEE outlets

Art. No. Z611R / Code: B7



259.00\*

# Now at a special price!

# Professional network testers and line detectors



# Classic Line Detector Kit KE301 | CLASSIC KIT

For searching within telephone cabling and for identifying wire pairs.

Art. No. D130C / Code: F1

169.00\*



#### Electro Kit

#### **KE501** | ELEKTRO KIT

For electrical installations and cable identification

Art. No. D150C / Code: F1

205.00\*



#### Telco Kit

#### KE701 | TELCO KIT

For IT & telephone cabling, and for wire pair identification

Art. No. D170C / Code: F1

239.00\*



#### Fiber-Optic/Copper Line Detector Kit KE801 | KUPFER & LWL

For IT and telephone, fiber optic and copper cable detection and wire pair identification.

Art. No. D180C / Code: F1

365.00\*



#### LAN Cable Tester KE7000 | SET

KE7000 cable testers are costeffective testers for patch, LAN, and telecommunications cabling, which can also be used for coaxial cables with the help of an optional adapter.

Art. No. D700A / Code: F1

189.00\*



#### Network Tester

#### KE7200

The KE7200 network tester with memory function is the ideal tool for initial start-up tests and troubleshooting, as well as for documentation in data and telecommunications networks.

Art. No. D720A / Code: F1

779.00\*



# Handheld Tester for Cable Faults METRACABLE | TDR PRO

Time domain reflectometer for pinpointing and classifying cable faults for all types of symmetrical cables without service: twisted-pair cables, 2-core telecommunication subscriber lines, coaxial and electric cables, METRACABLE Manager software.

Art. No. M281A / Code: A2

949.00\*



#### Fuse and Cable Finder

#### METRAFUSE | FD PRO

High-sensitivity fuse finder for precisely identifying fuses for allocation to electrical circuits. Set with emitter and receiver unit, optical and acoustic signaling, automatic sensitivity adjustment for live circuits.

Art. No. M660C / Code: A2

189.00\*

# **Power Analysis**

**CAMILLE** BAUER



Mobile instrument for monitoring power quality in electrical networks.

LINAX | PQ5000-MOBILE



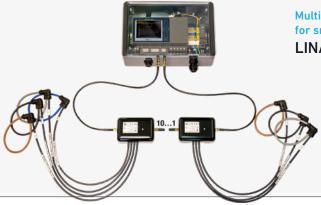


Power quality monitoring per IEC 61000-4-30, Ed. 3 in Class A LINAX | PQ-SERIE



Mobile energy and power disturbance analyzers with touchscreen, compliant with international standards such as IEC 61000-4-30 Class A.

HDPQ+-SERIE



Multifunctional power quality analyzer for smart grid applications – scalable

LINAX | PQ5000CL

Further information on power analysis is available at:

https://pq-as-a-service.com/en/





# Energy Meters with Support for LoRaWAN® Protocol

The ENERGYMID EM LPWAN energy meter with support for the LoRaWAN® protocol offers the full functionality of a MID-certified energy meter combined with an innovative wireless interface at an attractive price. It's ideally suited for decentralized energy data collection and the Internet of Things.



✓ GOSSEN METRAWATT

#### Gossen Metrawatt – your project partner

From planning to completion: The Energy Solutions team provides expert support throughout your project planning.

#### Further information:

Energy meters – compact, cost-effective, and future-proof.



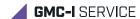
# **GMC** INSTRUMENTS













PROSYS



🌎 GMC INSTRUMENTS ACADEM`
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