DATA SHEET
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GOSSEN METRAWATT
GMC-INSTRUMENTS GROUP

METRALINE VC SENSE

M611L
CURRENT/VOLTAGE TESTER

- Handy, slim design that fits perfectly into any everyday working environment
- Voltage measurement (… 1000 V_{AC}, 1500 V_{DC})
  Current measurement (… 200 A_{AC}),
  Resistance measurement (… 100kΩ),
- Frequency, continuity and phase sequence
- Contactless and single-pole voltage testing
- Voltage display via LED chain in the fork
- LCD (4-digit, 7-segment display) with illumination
- Test probes can be fixed at the fork with a probe distance of 19 mm (suitable for socket testing)
- Bright illumination of measuring points in the fork
- Vibration and sound generator for safe feedback in any environment



APPLICATION

The METRALINE VC SENSE is a universal voltage tester for testing voltage, current, phase sequence, continuity, single-pole phase testing and various other tests. The instruments are produced in accordance with the latest safety regulations and guarantee safe and reliable working.

INCLUDED FEATURES

METRALINE VC SENSE is distinguished by the following features:

- Designed per DIN EN 61243-3
- Measuring category CAT IV / 600 V
- Measuring category CAT III / 1000 V
- Direct and alternating voltage testing up to 1000 V_{AC} and 1500 V_{DC}
- Current test up to 200 A
- Polarity display
- Single-pole phase testing
- 2-pole phase sequence measurement to earth
- Resistance testing
- Frequency testing
- Continuity testing
- Vibration
- Automatic On/Off
- Measuring point illumination by means of white LED
- Protection: IP64 (DIN EN 60529)

SCOPE OF DELIVERY

Standard Scope of Delivery:

1	METRALINE VC SENSE M611L
2	4 mm test probe adapter
2	Safety caps CAT III / 1000 V, GS 38
2	Batteries (1.5 V, AAA, IEC LR03)
1	Operating instructions

TECHNICAL DATA

LCD with illumination	4-digit, 7-segment display, polarity, AC/DC, hold, frequency, diode, continuity, low voltage, current, battery indicator, low continuity
LEDs	Continuity, ELV/single-pole voltage, phase sequence, +120 V, -120 V, 230 V, 400 V, 690 V, 1000 V
Voltage measurement	1 V … 1000 V_{AC} TRMS, 1 … 500 V_{DC}
Vibration motor	Yes
Autostart options	Voltage, continuity
Current measurement	0.1 A … 200 A_{AC}, 40 Hz … 65 Hz
Single-pole voltage testing	> 90 V … 1000 V ±10 %, 50/60 Hz
Phase sequence test	100 … 1000 V ±10 % (L-L), 50/60 Hz
Resistance measurement	0 Ω … 100 kΩ Resolution: 1 Ω < 2 kΩ; 1 kΩ > 2 kΩ
Continuity testing	< 500 kΩ, continuity sound generator in resistance mode < 20 Ω
Diode test	Continuity testing
Frequency measurement	Yes, 0 Hz … 800 Hz
Flashlight	Yes
Self-test	Yes
Duty cycle	10 seconds on / 240 seconds off
Current consumption	< 3.5 mA @ 1000 V_{AC}
Low battery charge level indicator	Yes
Automatic shutdown	Yes
Measurement cables	19 mm probe distance Storage at the back of the instrument
Opening of the current fork	14 mm
Tested per	DIN EN 61243-3, DIN EN 61010-1
Approvals	CE
Protection	IP64
Measuring category	CAT IV / 600 V, CAT III / 1000 V
Battery	2 × 1.5 V AAA

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