

METRALINE VC SENSE DC

M611U

CURRENT-VOLTAGE TESTER

- Handy, slim design that fits perfectly into any everyday working environment
- DC and AC voltage test with polarity display and simple result indication via LEDs in the fork and on the display
- Contactless current measurement AC and DC
- Resistance measurement
- Frequency measurement
- Single-pole phase testing
- Continuity
- Rotary field
- Contactless cable break detection via sensor
- Display (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 DC is a universally applicable tester for voltage, current, phase sequence, continuity, single-pole phase testing, and for various additional tests.

The instruments are produced in accordance with the latest safety regulations and guarantee safe and reliable working.

SCOPE OF DELIVERY

Standard Scope of Delivery:

- | | |
|---|-------------------------------------|
| 1 | METRALINE VC SENSE M611U |
| 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 |

INCLUDED FEATURES

METRALINE VC SENSE DC is characterized by the following features:

- Designed per DIN EN 61243-3
- Measuring category CAT IV 600 V, CAT III 1000 V, CAT II 1000 V
- DC and AC voltage test with polarity display
1 V_{AC} ... 1000 V_{AC} and/or 1 V_{DC}... 1500 V_{DC}
- Current measurement 0.1 A_{AC/DC} ... 200 A_{AC/DC}
- Single-pole phase testing
- 2-pole phase sequence measurement to earth
- Continuity test (also diode)
- Resistance measurement 0 Ω ... 100 kΩ
- Frequency measurement from 0 Hz... 800 Hz
- Broken Cable Detection
- Vibration and sound
- Automatic on/off
- Measuring point illumination by means of white LED

TECHNICAL DATA

Display	4-digit, 7-segment display, with illumination; Voltage (AC/DC), low voltage, polarity, current, continuity, low continuity, frequency, Data Hold, Zero, overflow indicator, battery charge level indicator
LEDs	Voltage (120 V, 230 V, 400 V, 690 V, 1000 V), warning of dangerous voltage, single-pole phase test, continuity, phase sequence
Voltage testing	1 V _{AC} ... 1000 V _{AC} TRMS (15 Hz ... 400 Hz), 1 V _{DC} ... 1500 V _{DC} with polarity indicator
Current measurement	0.1 A _{AC/DC} ... 200 A _{AC/DC} , 40 Hz ... 400 Hz
Single-pole phase testing	100 V _{AC} ... 1000 V _{AC} , 50/60 Hz
Phase sequence test	170 V ... 1000 V phase-to-phase, AC 40 Hz ... 70 Hz
Continuity test	0 Ω ... 500 kΩ +50 %, continuous acoustic signal when resistance < 20 Ω
Diode test	Continuity testing
Resistance measurement	0 Ω ... 100 kΩ Resolution: 1 Ω for < 2 kΩ; 1 kΩ for > 2 kΩ
Frequency measurement	0 Hz ... 800 Hz
Broken Cable Detection	with sensor, drop in signal strength indicates cable break for special examination, indication via display and sounds
Measuring operation	30 s on (operating time), 240 s off (recovery time)
Current consumption from measured object	< 3.5 mA at 1000 V _{AC} , <6 mA (at 1500V _{DC})
Battery	2 × 1.5 V AAA, IEC LR03
Measuring category	CAT IV 600 V, CAT III 1000 V, CAT II 1000 V
Flashlight	White LED
Self-test	Yes
Automatic on/off	On: Voltage, continuity / off: 10 s
Measurement cables	19 mm probe distance, storage on the back
Opening of the current fork	14 mm
Tested per	DIN EN 61243-3, DIN EN 61010-1
Protection	IP64
Ambient Conditions	Temperature: -15 ... 55° C operation; -20 ... 70° C storage; Humidity: max. 85 % relative humidity, no condensation Elevation: up to 2000 m

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