Laserliner

ClampMeter XP

Highly accurate and robust clip-on multimeter for professional applications with Bluetooth interface







- Fast and very precise measurement of voltage, current, resistance, capacitance, frequency, duty factor and contact temperature
- AC/DC clip-on ammeter with large clamping width of 48 mm
- Diode test function for determining integrity and polarity
- Automatic range switching
- Automatic continuity tester with acoustic signal
- Very high display resolution of 50000 counts for exact determination of all measured quantities
- Large, easy-to-read backlit LCD display with bar graph scale with 51 segments for reliable signal analysis
- Large measurement bandwidth for frequency measurement from 10 Hz to 10 MHz
- Relative measurement and data HOLD function
- MIN/MAX function for determining changing measured quantities
- Peak/INRUSH with min/max function for determining short-term inrush currents and voltage peaks
- Bluetooth interface for transferring measured data
- Super-bright integrated flashlight for illuminating test point
- CAT III 1000 V, CAT IV 600 V can be used for measurements throughout building installations
- Impact-proof, ergonomic housing with protective rubber coating

TECHNICAL DATA

MAX. POWER INPUT AC current: 1000 A DC current: 1000 A

AC CURRENT 50-60 HZ 500 A / 1000 A ± (2,5% ± 5)

DC CURRENT 500 A / 1000 A ± (2,5% ± 5)

AC VOLTAGE 500 mV / 5/50/500 V $\pm (1,0\% \pm 30), 1000 V \pm (3,0\% \pm 8)$

DC VOLTAGE 500 mV / 5/50/500 V $\pm (1.0\% \pm 8), 1000 V \pm (1.5\% \pm 3)$

RESISTANCE 500 $\Omega \pm (1.0\% \pm 9)$, 5/50/500 KΩ ± (1,0% ± 5), 5 MΩ \pm (2,0% \pm 10), 50 M Ω \pm (3,0% \pm 10)

Capacitance 500 nF \pm (3,5% \pm 40), 5000 nF/ 50/500 uF / 5000 mF ± (5.0% ± 10)

FREQUENCY 50/500 Hz / 5/50/500 kHz / 5/10 MHz ± (0,3% ± 2)

Duty cycle 5%...95% ± (1,0% ± 2)

TEMPERATURE -100°C...1000°C $\pm (1\% \pm 2.5^{\circ}C)$, K-type

DIODE TEST

Test current/voltage ≤ 0.3 mA / Open circuit voltage < 2 V DC typica

CONTINUITY TEST

Response threshold < 35 Ω + 5 Ω Test current < 0,5 mA

LCD 0...50000

AUTO-POWER-OFF 30 min

OVERVOLTAGE CATEGORY

CAT III - 1000 V / CAT IV - 600 V

Pollution degree 2

OPERATING CONDITIONS

5 ... 40°C. 80%rH. no condensation. max. altitude 2000 m

STORAGE CONDITIONS

-20 ... 60°C, 80%rH, no condensation

RADIO MODULE OPERATING DATA

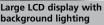
Bluetooth LE 4.x interface

POWER SUPPLY 1 x 6LR61 9V

DIMENSIONS 76 x 230 x 40 mm

WEIGHT (incl. batteries) 496 g





ClampMeter XP



K-type temperature sensor with adapter



range

ARTICLE NO. EAN CODE

4 021563 699377



ARTICLE







083.043A



ΡU







ClampMeter XP

inclusive carrying case

- + 2 test prods
- + K-type temperature sensor with adapter
- + Batteries

Packing dimension (W \times H \times D) 340 x 275 x 85 mm