

# Laserliner ClampMeter XP



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

Rev.18W/47



- 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 10Hz to 10MHz
- **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

<b>MAX. POWER INPUT</b> AC current: 1000 A DC current: 1000 A
<b>AC CURRENT</b> 50-60 HZ 500 A / 1000 A ± (2,5% ± 5)
<b>DC CURRENT</b> 500 A / 1000 A ± (2,5% ± 5)
<b>AC VOLTAGE</b> 500 mV / 5/50/500 V ± (1,0% ± 30), 1000 V ± (3,0% ± 8)
<b>DC VOLTAGE</b> 500 mV / 5/50/500 V ± (1,0% ± 8), 1000 V ± (1,5% ± 3)
<b>RESISTANCE</b> 500 Ω ± (1,0% ± 9), 5/50/500 KΩ ± (1,0% ± 5), 5 MΩ ± (2,0% ± 10), 50 MΩ ± (3,0% ± 10)
<b>Capacitance</b> 500 nF ± (3,5% ± 40), 5000 nF / 50/500 μF / 5000 mF ± (5,0% ± 10)
<b>FREQUENCY</b> 50/500 Hz / 5/50/500 kHz / 5/10 MHz ± (0,3% ± 2)
<b>Duty cycle</b> 5%...95% ± (1,0% ± 2)
<b>TEMPERATURE</b> -100°C...1000°C ± (1% ± 2,5°C), K-type
<b>DIODE TEST</b> Test current/voltage ≤ 0.3 mA / Open circuit voltage < 2 V DC typica
<b>CONTINUITY TEST</b> Response threshold < 35 Ω + 5 Ω Test current < 0,5 mA
<b>LCD</b> 0...50000
<b>AUTO-POWER-OFF</b> 30 min.
<b>OVERVOLTAGE CATEGORY</b> CAT III - 1000 V / CAT IV - 600 V
<b>Pollution degree</b> 2
<b>OPERATING CONDITIONS</b> 5 ... 40°C, 80%rH, no condensation, max. altitude 2000 m
<b>STORAGE CONDITIONS</b> -20 ... 60°C, 80%rH, no condensation
<b>RADIO MODULE OPERATING DATA</b> Bluetooth LE 4.x interface
<b>POWER SUPPLY</b> 1 x 6LR61 9V
<b>DIMENSIONS</b> 76 x 230 x 40 mm
<b>WEIGHT</b> (incl. batteries) 496 g



Large LCD display with background lighting



K-type temperature sensor with adapter



Large clamp opening range

ARTICLE	ARTICLE NO.	EAN CODE	PU
ClampMeter XP	083.043A	4 021563 699377	2



**ClampMeter XP**  
inclusive carrying case  
+ 2 test prods  
+ K-type temperature sensor with adapter  
+ Batteries

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