

## MD 9240 TRMS Power Clamp Meter

The MD 9240 is a high-quality and extremely easy to handle power clamp meter. The MD 9240 enables TRMS AC current measurement up to 1000 A, AC and DC voltage measurement, single-phase power analysis, temperature measurement and more. As a result the current clamp meter is suitable for maintenance and checking of distribution systems, switchboards and motors or systems where the supply network is heavily contaminated with harmonics.

### MEASURING FUNCTIONS:

- TRMS AC, DC voltage measurement.
- TRMS AC current measurement.
- Frequency measurement.
- Resistance measurement.
- Continuity test.
- Temperature measurement.
- Power parameters measurement.

### KEY FEATURES:

- **TRMS:** accurate measurements on sinusoidal and non-sinusoidal signals.
- **Jaw size:** 45 mm.
- **High current:** measures up to 1000 A AC.
- **Autocheck function:** automatic detection of AC voltage, DC voltage or AC current.
- **Power:** measures various power parameters (active, reactive, apparent power, THD, PF).
- **Temperature:** measures temperature in Celsius up to 300 °C and in Fahrenheit up to 572 °F.
- **PC Link:** test results can be downloaded to the computer via the optional PC software.
- **Data Hold:** data hold feature freezes the display for later view.
- **Peak Hold:** peak hold feature displays maximum RMS value of surge voltage or current.

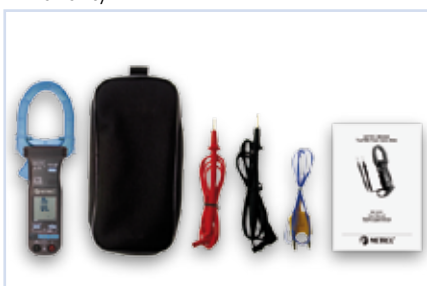


### APPLICATION:

- System maintenance.
- Power system checking.
- High level Industrial testing.
- High level electrical testing.

### STANDARD SET:

- Current clamp MD 9240
- Test lead with probe, 2 pcs
- Thermocouple probe, type K
- 1.5 V battery, type AAA, 2 pcs
- Pouch
- Instruction manual
- Warranty



### TECHNICAL SPECIFICATION:

Function	Range	Accuracy
DC voltage	600.0 V	±(0.5 % of reading + 5 digits)
AC voltage (50 ... 60 Hz; 45 ... 500 Hz; 500 Hz ... 3.1 kHz)	600.0 V	from ±(0.5 % of reading + 5 digits), to ±(2.5 % of reading + 5 digits)
AC current (50 ... 60 Hz)	40.00 A, 400.0 A, 1000 A	±(1.0 % of reading + 5 digits)
AC current (45 ... 500 Hz)	40.00 A, 400.0 A, 1000 A	±(2.0 % of reading + 5 digits) ±(2.5 % of reading + 5 digits)
AC current (500 Hz ... 3.1 kHz)	40.00 A, 400.0 A, 1000 A	±(2.5 % of reading + 5 digits) ±(3.0 % of reading + 5 digits)
Temperature	-50 °C ... 300 °C	±(2.0 % of reading + 3 °C)
Resistance	999.9 Ω	±(1.0 % of reading + 6 digits)
Continuity test	10 ... 300 Ω	
Frequency	5.00 Hz ... 500.0 Hz	±(0.5 % of reading + 4 digits)
Power factor (PF)	0.10 ... 0.99	±(3 digits), H from 1. to 21. ±(5 digits), H from 22. to 51.
Apparent power	0 ... 600.0 kVA	±(2.0 % of reading + 6 digits), H 1./10. ±(3.5 % of reading + 6 digits), H 11./46. ±(5.5 % of reading + 6 digits), H 47./51.
Active power, reactive power	0 ... 600.0 kW, kVar	from ±(2.0 % of reading + 6 digits)
Power supply	2 x 1.5 V batteries, type AAA	
Overvoltage category	CAT IV / 300 V; CAT III / 600 V	
Dimensions	224 x 78 x 40 mm	
Weight	224 g	