

Power clamp meter MD 9240

Order No. 20 991 446

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

Test functions:

- DC and TRMS AC voltage up to 600 V
- TRMS AC current measurement up to 1000 A
- Resistance measurement
- Continuity test
- Frequency measurement
- Contact temperature measurement
- Power factor
- Power (W, VA, Var)

Key Features:

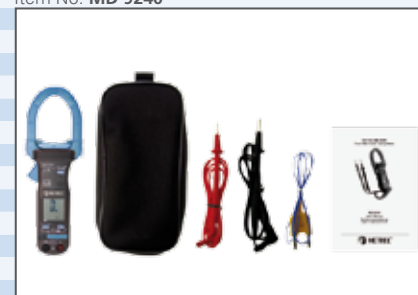
- Auto-ranging on all ranges
- LCD display with backlight, 3-3/4 digit, 6000 count
- Peak-hold function
- Acoustic signalling on continuity test
- 45 mm jaw opening
- Single-phase power analysis
- Resistance measurement up to 999.9 Ω
- Temperature measurement
- COM port
- Optional PC software
- Protected against wrong connection
- CAT III/600 V overvoltage category

Technical data

Function	Range	Accuracy
DC voltage	600.0 V	$\pm(0.5 \% \text{ of reading} + 5 \text{ digits})$
AC voltage , 50 Hz $\div$ 60 Hz, 45 Hz $\div$ 500 Hz, 500 Hz $\div$ 3.1 kHz	600.0 V, 600.0 V, 600.0 V	$\pm(0.5 \% + 5 \text{ digits}, 1.5 \% + 5 \text{ digits}, 2.5 \% + 4 \text{ digits})$ of reading
AC current measurement, 50,60 Hz	40.00 A, 400.0 A, 1000 A	$\pm(1.0 \% \text{ of reading} + 5 \text{ digits})$
45 Hz $\div$ 500 Hz	40.00 A, 400.0 A, 1000 A	from $\pm(2.0 \% \text{ of reading} + 5 \text{ digits})$ to $\pm(2.5 \% \text{ of reading} + 5 \text{ digits})$
500 Hz $\div$ 3.1 kHz	40.00 A, 400.0 A, 1000 A	from $\pm(2.5 \% \text{ of reading} + 5 \text{ digits})$ to $\pm(3 \% \text{ of reading} + 5 \text{ digits})$
Temperature	-50 $^{\circ}\text{C}$ $\div$ 300 $^{\circ}\text{C}$	$\pm(3 \% \text{ of reading} + 3 \text{ }^{\circ}\text{C})$
Resistance measurement	999.9 Ω	$\pm(1 \% \text{ of reading} + 6 \text{ digits})$
Continuity test	10 $\div$ 300 Ω	
Frequency	5 Hz $\div$ 500 Hz	$\pm(0.5 \% \text{ of reading} + 4 \text{ digits})$
Power factor (PF)	0.10 $\div$ 0.99	$\pm 3 \text{ digits}$ (H from 1. to 21.), $\pm 5 \text{ digits}$ (H from 22. to 51.)
Apparent power	0 $\div$ 600.0 kVA	$\pm(2 \% + 6 \text{ digits}, 3.5 \% + 6 \text{ digits}, 5.5 \% + 6 \text{ digits})$ of reading (H 10/11., 46/47., 51.)
Active power, reactive power	0 $\div$ 600.0 kW, kVar	$\pm(3.5 \% \text{ of reading} + 6 \text{ digits})$ (H from 11. to 25.)
Power supply	2 x 1.5 V AAA size batteries	
Overvoltage category	CAT III/600 V	
Pollution degree	2	

Delivery package

Item No. MD 9240



Power clamp meter MD 9240

2 test leads

Type K temperature sensor

Battery

Pouch

User manual

Warranty

Optional accessories:

AMD 9240 - PC interface kit

(including Optical Adapter Back, Cable & Software CD)

AMD 9023 - Temperature probe Type K

(in accordance with IST-90 and JIS C 1602)

AMD 9024 - plug adapter banana pins to k-type socket

Dimensions:

Size (W x H x L): 78 x 40 x 224 mm

Weight: 224 g