

MD 9272 Leakage Clamp TRMS Meter With Power Functions

High accuracy leakage current and power measurements with all-in-one clamp-on meter.



MD 9272 is a unique earth leakage clamp meter. It not just has the ability to accurately read the TRMS AC leakage current of a system, it can also detect losses in the system and suggest possible reasons for the loss. The voltage (AC/DC), frequency, power, harmonic, power factor (PF), total harmonic distortion (THD) and crest factor measurements make this instrument suitable for any electrician and engineer.

MEASURING FUNCTIONS:

- TRMS AC, DC voltage measurement.
- TRMS AC current measurement.
- Frequency measurement.
- Power parameters measurement.

KEY FEATURES:

- **TRMS:** accurate measurements on sinusoidal and non-sinusoidal signals.
- **Jaw size:** 28 mm.
- **Shielded Jaw:** shielded jaw allows the clamp meter to be used in the noisiest environments.
- **Accurate:** readings of AC current with an accuracy of 0.8 % and a base resolution of 0.01 mA and voltage with an accuracy of 0.5 % and a base resolution of 0.01 V.
- **Power:** measures various power parameters (active, reactive, apparent power, THD, PF, phase displacement).
- **Intelligent loss analysis:** complex algorithms detect loss and allow determining possible reasons for current loss.
- **Harmonics:** measures current or voltage harmonic components and a percentage value of a harmonic up to the 19th.
- **THD and PF:** dual display allows readings to be displayed along with Total Harmonic Distortion (THD) or Power Factor (PF).
- **Peak value:** the peak value of the waveform or crest factor can be displayed.
- **MAX/MIN/HOLD mode:** displays maximum, minimum or average measured value.

APPLICATION:

- Load and leakage current measurement.
- System maintenance.
- Power system checking.
- RCD fault finding.
- Process engineering.

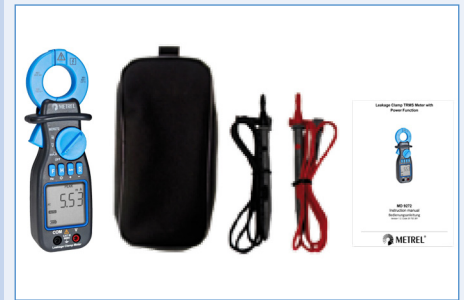
Technical specifications

Function	Range	Accuracy
AC current	40.00 mA, 400.0 mA, 4000 mA 40.00 A 100.0 A	$\pm(0.8\% \text{ of reading} + 3 \text{ digits})$ $\pm(1.0\% \text{ of reading} + 3 \text{ digits})$ $\pm(1.2\% \text{ of reading} \pm 3 \text{ digits})$
AC/DC voltage	40.0 V 400.0, 600.0V V	$\pm(0.5\% \text{ of reading} + 4 \text{ digits})$ $\pm(0.5\% \text{ of reading} + 2 \text{ digits})$
THD	0 ... 99.9 % 100 ... 999 %	$\pm(2.0\% \text{ of reading} + 3 \text{ digits})$ $\pm(2.0\% \text{ of reading} + 3 \text{ digits})$
Frequency	45.0 - 500.0 Hz	$\pm 0.5\% \pm 1 \text{ digit}$
Crest Factor	1.00 ... 2.99 3.00 ... 9.99	$\pm(2.0\% \text{ of reading} + 2 \text{ digits})$ $\pm(3.0\% \text{ of reading} + 5 \text{ digits})$
Peak value	40.00 ... 100.0 A 40.00 V ... 600.0 V	$\pm(3.0\% \text{ of reading} + 3 \text{ digits})$ $\pm(3.0\% \text{ of reading} + 3 \text{ digits})$
Power factor (PF)	0.00 ... 1.00	$\pm 5 \text{ digits}$
Phase	-180.0° ... +180.0°	$\pm 10 \text{ digits}$
Power (W,Var,VA)	0.000 ... 9999	$\pm (1\% \text{ of reading} \pm 30 \text{ digits})$
Power (kW,kVar,kVA)	10.00 ... 99.99	$\pm (2\% \text{ of reading} \pm 30 \text{ digits})$
General data		
Power supply	2 x 1.5 V batteries, type AA	
Overvoltage category	CAT III / 600 V, CAT IV / 300 V	
Dimensions	190 x 60 x 43	
Weight	255 g	

Ordering information

Standard set

MD 9272



- Current clamp MD 9272
- Test lead with probe, 2 pcs
- 1.5 V battery, type AA, 2 pcs
- Pouch
- Instruction manual
- Warranty



Measuring and Regulation Equipment Manufacturer
METREL d.d.

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery. Subject to technical change without notice.