

Clamp meters

MD 9235 TRMS 3-Phase Power Recording Clamp Meter

Current clamp



The MD 9235 is a Slim-Jaw current clamp meter with ability to measure 3-Phase Unbalanced-Load + kWhr recording. The MD 9235 enables TRMS AC current measurement up to 600 A, single and 3-phase power analysis, total power factor and resistance measurement. Display with large easy-to-read figures and one-handed operation make MD 9235 an extremely easy-to-use. This compact instrument combines a high level of functionality, small size and portability. All built-in features make MD 9235 a perfect tool for advanced Power applications.

MEASURING FUNCTIONS

- TRMS AC, DC voltage measurement;
- TRMS AC current measurement;
- Resistance measurement;
- Frequency measurement;
- Continuity test (acoustic signalling);
- Power parameters measurement.

KEY FEATURES

- **Slim-Jaws:** ultra-slim jaws to access tight places.
- **TRMS:** accurate measurements on sinusoidal and non-sinusoidal signals.
- **kWhr:** Kilo-Watt-Hour recording function (with memory recall).
- **Peak Hold:** peak hold feature displays maximum RMS value of surge voltage or current.
- **Jaw size:** 26 mm.
- **Transient protection:** it protects user in case of lightning strike or switching surge up to 6.5 kV.
- **Hold:** data hold function freezes the display for later view.
- **Safe:** CAT IV / 300 V, CAT III / 600 V overvoltage protection.

APPLICATION

- Power system checking;
- High level industrial testing;
- High level electrical testing.

TECHNICAL SPECIFICATION

FUNCTION	Range	Accuracy
DC Voltage	600.0 V	$\pm(0.5\% \text{ of reading} + 5 \text{ digits})$
AC Voltage (50 Hz ... 3.1 kHz)	600.0 V	from $\pm(0.5\% \text{ of reading} + 5 \text{ digits})$ to $\pm(2.5\% \text{ of reading} + 5 \text{ digits})$
AC Current (40 Hz ... 3.1 kHz)	40.00 A ... 600 A	from $\pm(1.0\% \text{ of reading} + 5 \text{ digits})$ to $\pm(3.0\% \text{ of reading} + 5 \text{ digits})$
Resistance	999.9 Ω	$\pm(1.0\% \text{ of reading} + 6 \text{ digits})$
Apparent power	0 kVA ... 600.0 kVA	$\pm(2.0\% \text{ of reading} + 6 \text{ digits})$, H 1./10. $\pm(3.5\% \text{ of reading} + 6 \text{ digits})$, H 11./46. $\pm(5.5\% \text{ of reading} + 6 \text{ digits})$, H 46./51.
Active power, reactive power	0 kVA ... 600.0 kW, kVar	from $\pm(2.0\% \text{ of reading} + 6 \text{ digits})$ to $\pm(10.0\% \text{ of reading} + 6 \text{ digits})$, H 1./10. from $\pm(3.5\% \text{ of reading} + 6 \text{ digits})$ to $\pm(10.0\% \text{ of reading} + 6 \text{ digits})$, H 11./25. from $\pm(4.5\% \text{ of reading} + 6 \text{ digits})$ to $\pm(15.0\% \text{ of reading} + 6 \text{ digits})$, H 26./45. from $\pm(10.0\% \text{ of reading} + 6 \text{ digits})$ to $\pm(15.0\% \text{ of reading} + 6 \text{ digits})$, H 46./51.
Power factor (PF)	0.10 ... 0.99	$\pm 3 \text{ digits}$, H 1./21. $\pm 5 \text{ digits}$, H 22./51.
Mains frequency	5 Hz ... 500 Hz	$\pm(0.5\% \text{ of reading} + 4 \text{ digits})$
Power supply	2 x 1.5 V batteries, type AAA	
Overvoltage category	CAT IV / 300 V, CAT III / 600 V	
Dimensions	189 x 78 x 40 mm	
Weight	192 g	

ORDERING INFORMATION



Standard set MD 9235

- MD 9250 TRMS 3-phase power recording clamp meter
- AMD 9026 Test lead with probe (red, black), 2 pcs
- 1.5 V battery type AAA, 2pcs
- Soft carrying bag
- Instruction manual
- Calibration certificate

OPTIONAL ACCESSORIES

Photo	Order No.	Acc. decription
	AMD 9028	Alligator clip
	AMD 9026	Test lead with probe, 2 pcs

METREL d.o.o.

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