

# Digital multimeter

## MD 9222 TRMS AC Current Clamp Meter



The MD 9222 is a professional TRMS AC current clamp meter with a wide jaw opening and is capable of measuring currents up to 1000 A. It has the ability to measure capacitance and frequency and is equipped with a built-in VFD feature that makes the instrument capable of measuring the true values in accordance with frequency. The MD 9222 has a wide range of extra features, including data and MAX hold functions, auto power off, auto-ranging and a relative zero function. It uses state-of-the-art measurement technology and is housed in a sturdy industrial-grade case.

### MEASURING FUNCTIONS

- DC and TRMS AC voltage up to 1000 V;
- TRMS AC current measurement up to 1000 A;
- Resistance measurement;
- Acoustic continuity test;
- Diode test;
- Frequency measurement;
- Capacitance measurement.

### KEY FEATURES

- **Auto-ranging.**
- LCD display with **backlight**, 3-5/6 digit, 6000 count.
- Automatic, **non-contact detection** of electromagnetic fields to locate and trace live conductors.
- **Data hold** function.
- **MIN/MAX/AVG** function.
- **Relative zero.**
- **51 mm** jaw opening.
- **CAT IV / 600 V**, CAT III / 1000 V overvoltage categories.

### APPLICATION

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

### STANDARDS

- CAN/CSA C22.2 No. 61010-1 Ed. 3.0
- EN61326-1:2006
- EN55022
- EN61000-3-2
- EN61000-3-3
- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11
- IEC/UL/EN61010-1 Ed. 3.0
- IEC/EN61010-2-033 Ed. 1.0
- IEC/EN61010-2-032 Ed. 3.0
- IEC/EN61010-031 Ed. 1.1

### Directives

- 2004/108/EC EMC
- 2006/95/EC LVD

## TECHNICAL SPECIFICATION

Function	Range	Accuracy
DC Voltage	600,0 V ... 1000,0 V	$\pm(0.8\%$ of reading + 5 digits)
AC Voltage (50 Hz ... 400 Hz)	600,0 V ... 1000,0 V	From $\pm(0.8\%$ of reading + 5 digits) to $\pm(10\%$ of reading + 5 digits)
CREST (Peak-Hold)	Accuracy: Add 250 digits to specified accuracy for changes > 5ms	
Audible Continuity Tester	Audible Threshold: At between 10 $\Omega$ and 250 $\Omega$ Response time: 32 ms approx.	
Ohm	600,0 $\Omega$ , 6.000 k $\Omega$ , 60,00 k $\Omega$	$\pm(1.0\%$ of reading + 5 digits)
Capacitance	200.0 $\mu$ F, 2500 $\mu$ F	$\pm(2.0\%$ of reading + 4 digits)
Diode Tester	2.000 V	$\pm(1.5\%$ of reading + 5 digits)
AmpTip™ clamp-on ACA (40 Hz ... 400 Hz)	00.00 A ... 60.00 A	From $\pm(1.5\%$ of reading + 5 digits) to $\pm(3.0\%$ of reading + 5 digits)
Regular Clamp-on ACA (40 Hz ... 400 Hz)	60.00 A ... 1000 A	From $\pm(1.8\%$ of reading + 5 digits) to $\pm(2.2\%$ of reading + 5 digits)
Hz Line Level Frequency	5.00 Hz ... 999.9 Hz	$\pm(1.0\%$ of reading + 5 digits)
Non-Contact EF-Detection	20 V ... 440 V	Tolerance: 10 V ... 1000 V
Detection Frequency	50/60Hz	
Transient Protection	8.0 kV (1.2/50 $\mu$ s surge)	
Overload Protections	Current & Hz functions via jaws: 1000 ADC/AAC rms at < 400 Hz Voltage & 3-Phase Rotation functions via terminals: 1100 VDC/VAC rms Other functions via terminals: 1000 VDC/VAC rms	
Power Supply	1.5 V AAA Size battery X 2	
Power Consumption	4.3 mA	
Dimension (LxWxH)	258 x 94 x 44 mm	
Weight	312 g	
Jaw opening & Conductor diameter	51 mm max	

## ORDERING INFORMATION



### Standard set MD 9222

- MD 9222 Current clamp
- Test lead, 2 pcs
- Battery, 2pcs
- Pouch, 1 pcs
- User manual

### METREL D.D.

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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.