



Current clamp MD 9220

Order No. 20 991 445

MD 9220, the professional current clamp with TRMS measurement and wide jaw opening, enables current measurement up to 2000 A. This current clamp, using state-of-the-art measurement technology and housed in a sturdy industrial-grade case, represents the ideal choice for the works electrician.

Test functions:

- DC and TRMS AC voltage up to 600 V
- TRMS current measurement up to 2000 A
- Resistance measurement
- Continuity test
- Diode test
- Frequency measurement
- Capacitance measurement

Key Features:

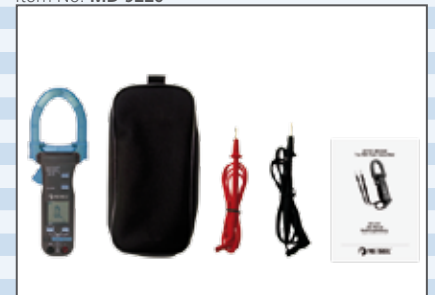
- Auto-ranging on all ranges
- LCD display with backlight, 3-5/6 digit, 6000 count
- Autocheck[®] - automatic selection of either resistance measurement, DC and/or AC voltage
- Automatic, non-contact detection of electromagnetic fields to locate and trace live conductors
- Data hold function
- Acoustic signalling on continuity test
- 45 mm jaw opening
- Resistance measurement up to 6000 M Ω
- Protected against wrong connection
- CAT III/600 V overvoltage category

Technical data

Function	Range	Accuracy
DC voltage	6.000 V	$\pm(0.5\% \text{ of reading} + 3 \text{ digits})$
	60.0 V	$\pm(1.0\% \text{ of reading} + 5 \text{ digits})$
	600.0 V	$\pm(2.0\% \text{ of reading} + 5 \text{ digits})$
AC voltage measurement, 50,60 Hz	6.000 V, 60.00 V, 600.0 V	from $\pm(1.5\% \text{ of reading} + 5 \text{ digits})$ to $\pm(2.0\% \text{ of reading} + 5 \text{ digits})$
AC voltage measurement, 50 - 500 Hz	6.000 V, 60.00 V, 600.0 V	from $\pm(2\% \text{ of reading} + 5 \text{ digits})$ to $\pm(2.5\% \text{ of reading} + 5 \text{ digits})$
AC current measurement, 50,60 Hz	400.0 A, 2000 A	$\pm(1.5\% \text{ of reading} + 5 \text{ digits})$
Resistance measurement	6.000 k Ω	$\pm(1.2\% \text{ of reading} + 6 \text{ digits})$
	60.00 k Ω , 600.0 k Ω	$\pm(1.0\% \text{ of reading} + 4 \text{ digits})$
	6.000 M Ω	$\pm(2.0\% \text{ of reading} + 4 \text{ digits})$
Continuity test	600.0 Ω	$\pm(2.0\% \text{ of reading} + 8 \text{ digits})$
Diode test	Open-circuit voltage <1.6 V DC, test current 0.4 mA	
Frequency	10 Hz \div 30 kHz	$\pm(0.5\% \text{ of reading} + 4 \text{ digits})$
Capacitance	100 nF \div 2000 μ F	$\pm(3.5\% \text{ of reading} + 5 \text{ digits})$
Power supply	2 x 1.5 V AAA size batteries	
Overvoltage category	CAT III/600 V	
Pollution degree	2	

Delivery package

Item No. MD 9220



Current clamp MD 9220

2 test leads

Battery

Pouch

User manual

Warranty

Dimensions:

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

Weight: 220 g

Current clamp comparison

Item No.	MD 9210	MD 9220	MD 9230	MD 9240
				
Technical data				
True RMS		✓	✓	✓
DC current range (A)			0.1 A ÷ 1000 A	
Basic accuracy (%)			1.5	
AC current range (A)	0.01 A ÷ 600 A	0.1 A ÷ 2000 A	0.1 A ÷ 800 A	0.01 A ÷ 1000 A
Basic accuracy (%)	1.5	1.5	1.5	1
DC voltage range (V)	0.1 mV ÷ 600 V	1 mV ÷ 600 V	0.1 mV ÷ 600 V	0.1 V ÷ 600.0 V
Basic accuracy (%)	0.3	0.5	0.3	0.5
AC voltage (V)	1 mV ÷ 600 V	1 mV ÷ 600 V	0.1 mV ÷ 600 V	0.1 V ÷ 600.0 V
Basic accuracy (%)	1.5	1.5	1	0.5
Resistance measurement	0.1 Ω ÷ 40.00 MΩ	0.1 Ω ÷ 6.000 MΩ	0.1 Ω ÷ 40.00 MΩ	0.1 Ω ÷ 999.9 Ω
Basic accuracy (%)	0.6	1	0.6	1
Acoustic continuity test	✓	✓	✓	✓
Diode test	✓	✓	✓	
Capacitance	✓	✓	✓	
Mains frequency	✓	✓		✓
Temperature measurement (Type K sensor)				✓
Autocheck® V-Ω		✓		Auto V-A
Power measurement (W, VA & VAR)				Single-phase
Count	4000	6000	4000	6000
Backlight		✓		✓
COM port (data transfer)				✓
Automatic and manual range selection	✓	✓	✓	
Automatic switch off	✓	✓	✓	✓
Non-contact voltage detection		✓		
Peak measurement	Peak value storage		Peak value storage	RMS Peak value storage
Data hold	✓	✓	✓	✓
Jaw opening	26 mm	45 mm	50 mm	45 mm
Relative value	✓		✓	
Overvoltage category	CAT III/600 V	CAT III/600 V	CAT III/600 V	CAT III/600 V
Degree of protection	IP 50	IP 50	IP 50	IP 50
CE mark	✓	✓	✓	✓