



Current clamp MD 9210

Order No. 20 991 444

Versatility, sturdy case, high accuracy and lots of measurement functions are key features of the current clamp MD 9210. If you're looking for a universal current clamp offering good value for money, look no further!

Test functions:

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

Key Features:

- Auto-ranging on all ranges
- LCD display, 3-3/4 digit, 4000 count
- Data hold function
- Acoustic signalling on continuity test
- 26 mm jaw opening
- Resistance measurement up to 40 MΩ
- Capacitance measurement from 100 pF to 3000 μF
- Protected against wrong connection
- CAT III/600 V overvoltage category

Delivery package

Item No. MD 9210



Current clamp MD 9210

2 test leads

Battery

Pouch

User manual

Warranty

Dimensions:

Size (W x H x L): 63 x 32 x 190 mm

Weight: 139 g

Technical data

Function	Range	Accuracy
DC voltage	400.0 mV	±(0.3 % of reading + 4 digits)
	4.000V, 40.00V, 400.0V	±(0.5 % of reading + 3 digits)
	600V	±(1.0 % of reading + 4 digits)
AC voltage, 50 Hz - 500 Hz	4.000V, 40.00V, 400.0V	±(1.5 % of reading + 5 digits)
	600V	±(2.0 % of reading + 5 digits)
		±(1.5 % of reading + 8 digits)
AC current measurement, 50,60 Hz	40.00A, 400.0A, 600A	±(0.8 % of reading + 6 digits)
Resistance measurement	400.0 Ω	±(0.6 % of reading + 4 digits)
	4.000 kΩ, 40.00 kΩ, 400.0 kΩ	±(1.0 % of reading + 4 digits)
	4.000 MΩ	±(2.0 % of reading + 4 digits)
	40.00 MΩ	
Diode test	Open-circuit voltage <1.6 V DC, test current 0.25 mA	
Frequency	10 Hz ÷ 400 Hz	±(0.5 % of reading + 4 digits)
Capacitance	500 nF ÷ 3000 μF	±(3.5 % of reading + 6 digits)
Power supply	3 V battery, IEC-CR2032	
Overvoltage category	CAT III/600 V	
Pollution degree	II	

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	✓	✓	✓	✓