

CM80 Series

Advanced AC and AC / DC Clamp Meters



Key features

- High level AC current
- Auto ranging
- AC/DC Voltage
- Frequency
- Resistance and continuity

CM84 Additional features

- High level DC current

CM87 Additional features

- True RMS measurement
- Min/Max & Inrush current
- Temperature measurement
- Backlight

	CM82	CM84	CM87
AC Current	✓	✓	✓
DC Current		✓	✓
AC / DC Volts	✓	✓	✓
Resistance	✓	✓	✓
Frequency	✓	✓	✓
Capacitance	✓		✓
Autorange	✓	✓	✓
True RMS			✓
Min / Max / Inrush			✓
Backlight			✓
Temperature			✓

The Martindale advanced CM80 series clamp meter range are ideal for high current applications. Combining high performance, reliability and ease of use. All three models measure voltage to 750V AC and 1000V DC with many additional measurement functions.

The CM82 is a 1000A AC only clamp meter, ideal for installation, testing and maintenance of domestic and industrial installations.

The CM84 is a 1000A AC/DC clamp meter and has many of the measurement functions of the CM82. It is a comprehensive testing solution for electricians, maintenance and service engineers.

The CM87 True RMS clamp meter can measure current up to 1500A AC and 2000A DC with all the measurement features of the CM82 & CM84. Plus, additional inrush current, duty cycle and temperature measurement to 1000°C.

The three models in the CM80 series are all safety rated at CAT III 1000V/CAT IV 600V, have auto power off to prolong battery life, and are supplied with a two year warranty.



Keeping You Safe

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Specifications

FUNCTION	CM82	CM84	CM87
AC CURRENT			
Current ranges	40A / 1000A		660A / 1500A
Accuracy	1.5% ± 5 digits		2.0%+10 / 5.0%+10
DC CURRENT			
Current range		40A / 1000A	660A / 2000A
Accuracy		3.0% ± 5 digits	2%+5 / 5%+5
AC / DC VOLTAGE			
Range AC	750V		
Range DC	1000V		
AC Accuracy	1.5% ± 5 digits		1.5% ± 8 digits
DC Accuracy	0.5% ± 2 digits		
TRUE RMS			
True RMS			Yes
RESISTANCE & CONTINUITY			
Resistance ranges	400Ω / 40MΩ		660Ω / 66MΩ
Resistance accuracy	1.0% / 3.5% +/-2/5 digits		1.0% / 3.5% +/-5 digits
Continuity	buzzer <25Ω		buzzer <30Ω
FREQUENCY MEASUREMENT			
Frequency range	4kHz / 1MHz		66Hz / 1 MHz
CAPACITANCE			
Range	4nF / 4mF		6.6nF to 6.6mF
Accuracy	3.0% / 5.0% +/-10/15 digits		3.0% / 5.0% +/-10/30 digits
OTHER			
Inrush Current			Yes
Min Max / Duty cycle			Yes
Diode Test	Yes		
Temperature			0°C to 1000°C
GENERAL			
Auto Power off	Yes		
Maximum Conductor	55mm Ø 70x18mm		
Battery	9V, PP3		
Warranty	2 Years		
Dimensions	279 x 103 x 53mm	281 x 108 x 53mm	
Storage	-20°C to 60°C <80% RH		
Operating	0°C to 50°C <70% RH		
Safety Rating	CAT III 1000V / CAT IV 600V	CAT III 1000V / CAT IV 600V	
For full specifications refer to the product manual			

Included

Includes: carrying case, TL16 test leads, Type K thermocouple (CM87 only), 9V PP3battery (installed), instructions

Martindale Electric Co. Ltd.
Metrohm House, 12 Imperial Park,
Imperial Way, Watford WD24 4PP.
T: +44 (0) 1923 44 17 17
www.martindale-electric.co.uk
sales@martindale-electric.co.uk

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