



Key features

- Rugged pocket sized design
- High accuracy measurement
- Auto ranging current measurement
- AC/DC voltage to 600V
- Resistance and continuity test
- Auto power off setting

Additional features CM57

- True RMS measurement
- Smart sense capacitance to 600 μ F
- Frequency measurement
- Non-contact voltage detection
- Display backlight

Additional features CM79

- True RMS measurement
- AC & DC current
- Min / Max readings
- Display backlight

	CM55	CM57	CM79
AC Current	✓	✓	✓
DC Current			✓
AC/DC Volts	✓	✓	✓
True RMS		✓	✓
Ohms and continuity	✓	✓	✓
Smart Sense Capacitance		✓	
Min Max			✓
Backlight		✓	✓

The standard range includes the CM55 AC clamp, the CM57 True RMS AC smart clamp for HVAC applications and the CM79 True RMS clamp for both AC and DC current measurement up to 600A, ideal for solar PV and battery systems. For very low leakage current measurements and troubleshooting nuisance RCD tripping, there is the CM69 which has its own datasheet.

All models combine high performance with reliability and ease of use. Features include a thumb wheel for single handed operation, auto ranging, auto power off, a low battery indicator and a hold function, which is particularly useful when working in areas with restricted access.

The new clamps meet the exacting requirements of electricians and service teams working on both AC and DC systems, from basic AC measurements through to min/max monitoring of start-up and charging currents.

The CM57 includes additional functionality for the non-contact detection of live voltages via its jaw and capacitance and frequency measurement. The elliptical jaw design of all three models makes it easy to make measurements where access is restricted whilst accommodating a wide range of conductor sizes.

CM Series

AC and AC/DC Clamp meters

FUNCTION	CM55	CM57	CM79
ELECTRICAL			
AC CURRENT			
Current ranges	40.00A/400.0A	60.00A/600.0A	60.00A/600.0A
Accuracy	1.9% ± 3 digits	1.9% ± 5 digits	2.0% ± 5 digits
DC CURRENT			
Current ranges			60.00A/600.0A
Accuracy			2.0% ± 5 digits
AC/DC VOLTAGE			
Voltage range	400.0V/600V	6.000V/60.0V/600V	600.0V
AC accuracy	1.2% ± 3 digits	1.2% ± 5 digits	1.2% ± 5 digits
DC accuracy	1.0% ± 3 digits	1.0% ± 3 digits	1.0% ± 2 digits
RESISTANCE & CONTINUITY			
Resistance ranges	400Ω	600Ω/6KΩ/60kΩ/600kΩ/6MΩ	1000Ω
Accuracy	1.0% +/-2 digits	1.0% +/-3 digits	1.0% +/-2 digits
Continuity threshold	buzzer < 25Ω	buzzer ≤ 30Ω	buzzer ≤ 30Ω
FREQUENCY MEASUREMENT			
Frequency ranges current		6kHz/10kHz	
Frequency ranges voltage		6kHz/60kHz/100kHz	
CAPACITANCE			
Capacitance ranges		6nF to 600mF	
Accuracy		3.0% +/- 10 digits (60nF to 600mF)	
NON-CONTACT VOLTAGE DETECTOR			
Voltage range at 50-60Hz		90V-600V	
ENVIRONMENTAL			
Temperature and humidity (operating)	0°C to 40°C <80% R.H., non-condensing		
Temperature and humidity (storage)	-10°C to 60°C <70% R.H., batteries removed		
Altitude	up to 2000m		
Pollution degree	2		
GENERAL			
Power	2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)		
Max conductor size	25mm Ø, 35x15mm	25mm Ø, 35x15mm	25mm Ø, 45x15mm
Dimensions	203 (L) x 75 (W) x 32 (D) mm	203 (L) x 75 (W) x 32 (D) mm	210(L) x 62(W) x 36(D) mm
Weight	262g approx. including batteries	270g approx. including batteries	273g approx. including batteries
SAFETY			
Conforms to	BS EN 61010-1, BS EN 61010-2-032, CAT III 600V, CAT IV 300V Class II, double insulation		
EMC			
Conforms to	BS EN 61326-1		

Included

TL16 lead set, 2 x 1.5V AAA alkaline batteries, carry case, instruction manual

Related products

ET4 AC/DC Electrical tester

ET5 AC/DC Electrical tester

CM51 AC Current only clamp

CM69 TRMS AC Leakage clamp

CM82 High current AC clamp

CM84 High current AC/DC clamp

CM87 High current TRMS AC/DC clamp

CM95 High resolution AC flex meter

CM100 High current AC flex meter

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