



Specification
CM55
AC Clamp Meter



ELECTRICAL

All specified accuracies are at 23°C ± 5°C, <80% RH for 1 year.

Temperature coefficient: add 0.1 x (specified accuracy) per °C. (0°C to 18°C, 28°C to 40°C).

All accuracies below are expressed as ± (percentage of reading + digits)

DC Voltage

Range	Resolution	Input impedance	Accuracy
400V	0.1V	1MΩ	1.0% + 3
600V	1V		

Overload protection: 660V DC or AC rms

AC Voltage

Range	Resolution	Input impedance	Accuracy (50 to 400Hz)
400V	0.1V	1MΩ	1.2% + 3
600V	1V		

Overload protection: 660V DC or AC rms



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ENVIRONMENTAL

Temperature & Humidity
(Operating): 0°C to 40°C <80% R.H., non-condensing
(Storage): -10°C to 60°C < 70% R.H., batteries removed
Altitude: up to 2000m
Pollution degree: 2

SAFETY

Conforms to BS EN 61010-1, BS EN 61010-2-032, CAT III 600V
Class II, double insulation

EMC

Conforms to BS EN 61326-1

SPECIFICATION FOR TL16 TEST LEADS

Maximum voltage: 1000V AC/DC
Maximum current 10A continuous
Connector: 4mm banana plug with fixed shroud

Environmental

Temperature (Operating & Storage): 0°C to 40°C
Altitude: up to 2000m
Pollution degree: 2

Safety

Conforms to BS EN 61010-031, CAT IV 600V, CAT III 1000V, 10A (probe tip covers fitted)

CAT II 1000V, 10A (probe tip covers removed)

Class II, double insulation



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AC Current

Range	Resolution	Accuracy	
		(50 to 60Hz)	(60 to 400Hz)
40A	0.01A	1.9% + 3	3.0% + 5
400A	0.1A		

Overload protection: 660A DC or AC rms

Resistance and Continuity

Range	Resolution	Open circuit voltage	Accuracy	Audible indication
400 Ω	1Ω	-1.5V dc	1.0% + 2	<25Ω

Overload protection: 600V DC or AC rms

GENERAL

Display: 3½ digit liquid crystal display with maximum reading 3999

Sample rate 2 times/sec

Polarity: Automatic, positive implied, '-' for negative polarity indication

Overrange: (OL) is displayed

Power: 2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)

Battery life (alkaline): 500 hours typical for ACV and ACA ranges
800 hours typical for DCV and Ω ranges

Low battery indication: symbol is displayed

Auto power off: after 10 minutes

Jaw opening capability: 25.4mm

Dimensions: 203 x 75 x 32mm

Weight: 262g approx, including batteries

Includes: carrying case, set of TL16 test leads, 2 x 1.5V AAA batteries, instructions

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- Proving Units
- Socket Testers
- Thermometers & Probes
- Test Leads
- Voltage Indicators
- Specialist Metrohm Testers (4 & 5kV)
- Specialist Drummond Testers



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