



Specification
CM79
TRMS AC/DC 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).

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

DC Voltage

Range	Resolution	Input impedance	Accuracy
600V	0.1V	1MΩ	1.0% + 2

Overload protection: 660V DC or AC rms

AC Voltage (True RMS)

Range	Resolution	Input impedance	Accuracy (50 to 500Hz)
600V	0.1 V	1MΩ	1.2% + 5

Overload protection: 660V DC or AC rms



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GENERAL

Display: Liquid crystal display with maximum reading 6200
 Sample rate: 3 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): 50 hours typical (without buzzer function or backlight)
 Low battery indication: symbol is displayed
 Auto power off: after 30 minutes
 Jaw opening capability: 25mm
 Dimensions: 210 x 62 x 36mm
 Weight: 273g approx. Including batteries
 Includes: carrying case, set of TL16 test leads, 2 x 1.5V AAA batteries, instructions

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



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DC Current

Range	Resolution	Accuracy
60A	0.01A	2.0% + 5
600A	0.1A	

Overload protection: 660A DC or AC rms

AC Current (True RMS)

Range	Resolution	Accuracy	
		(50 to 60Hz)	(60 to 500Hz)
60A	0.01A	2.0% + 5	3.0% + 5
600A	0.1A		

Overload protection: 660A DC or AC rms

Resistance

Range	Resolution	Open circuit voltage	Accuracy
1000Ω	0.1Ω	3V dc	1.0% + 2

Overload protection: 600V DC or AC rms

Continuity

Open circuit voltage	Audible indication
3V dc	≤40Ω

Overload protection: 600V DC or AC rms



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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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