



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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