

MEASURING EQUIPMENT

Digital current clamp meter CM 2

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German Cathodic Protection



Digital Current Clamp Meter for DC and AC currents measurements

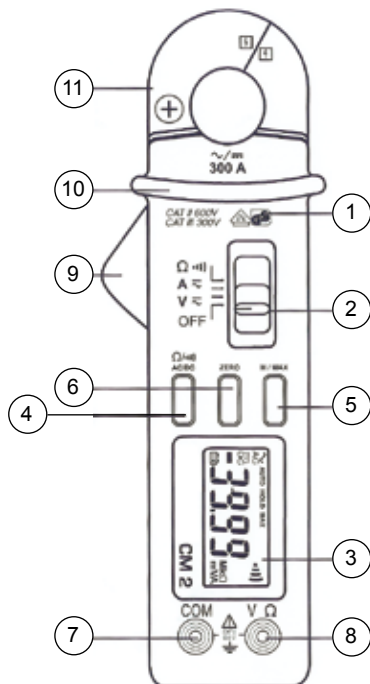
The Digital Current Clamp Meter CM 2 combines the advantages of a Digital Multimeter with a current Clamp Meter. The 3 3/4 digit LC display offers a resolution of 3999 pixels and allows the recording of the measured value and the maximum value in all measuring ranges by means of the H/MAX button.

The CM 2 contains DC and AC current ranges up to 300 A and because of its maximum measurement resolution of 10 mA it is ideally suitable for measuring smaller current ranges. The optimum zero setting for the direct current range can be set to the ZERO button.

Additionally the CM 2 reads direct voltage and alternating voltage up to 600 V, resistance up to 40 MΩ and it has an acoustic continuity test. All the ranges are protected against overload.

Relative measurements (differential measurements) can be made via ZERO button in voltage and current range.

The CM 2 has a battery low voltage indication and an auto-shut off function when not in use (approx. 30 min.).



- 1 Housing
- 2 Sliding switch for selecting the required functions
- 3 Digital display (liquid-crystal type)
- 4 Function button
- 5 HOLD/MAX button
(hold function and automatic peak-value storage)
- 6 ZERO button (zero setting button)
for zero adjustment in current measurement
- 7 COM socket: joint socket for voltage and resistance measurements and continuity test, marked black
- 8 V-Ω socket (positive): joint socket for voltage and resistance measurements and continuity test, marked red
- 9 Opening lever, for opening and closing the current prongs
- 10 Prong guard, protects user from accidental contact with conductor
- 11 Measurement prongs, for inserting and gripping the single conductor containing AC current

Display	3 3/4 digit LC display (3999 pixels)
DC voltage:	400 mV/4 V/40 V/400 V/600 V
Resolution/accuracy	max. 100 μV/max. ± 0.5 % + 2 digit
AC voltage	400 mV/4 V/40 V/400 V/600 V
Resolution/accuracy	max. 100 μV/max. ± 1.5 % + 5 digit
Measuring method	RMS value
DC current	40 A, 200 A, 300 A
Resolution/accuracy	max. 10 mA/max. ± 1.0 % + 2 digit
AC current	40 A, 200 A, 300 A
Resolution/accuracy	max. 10 mA/max. ± 1.0 % + 3 digit
Measuring method	RMS value
Resistance	400 Ω/4 kΩ/40 kΩ/400 kΩ/ 4 MΩ/40 MΩ
Resolution/accuracy	max. 100 mΩ/max. ± 0.9 % + 3 digit
Continuity test	50 - 300 Ω, acoustic: buzzer, optic: LCD
Over voltage protection	600 V effective, 400 A effective
Range switching	autoranging
Jaw opening	max. 25 mm
Over voltage category	CAT III 300 V, CAT II 600 V
Operation temperature	0 °C to + 50 °C
Dimensions (l x w x h)	192 x 66 x 27 mm
Weight	205 g
Battery type	2 micro batteries 1.5 V IEC 6LR03/AA
Delivery includes	Current clamp meter carrying case, set of batteries, double insulated safety test leads