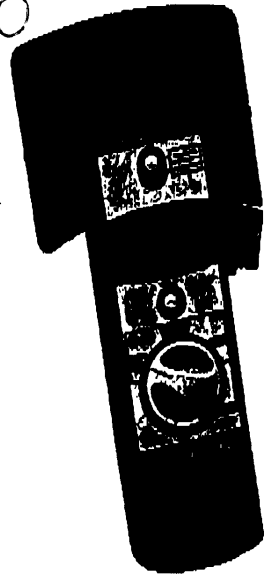


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MEGGER® FLEXICLAMP 200

- Measures current in 2 or 3 core cable
- No need to split cables
- Check current anywhere in installation
- Micro-processor controlled for dependability and accuracy

Multi-Core Digital Clampmeter

DESCRIPTION

The new MEGGER® FlexiClamp does what you always thought clampmeters should do – measure current in multi-core cables and power cords without the need to split them.

The original methods of taking current measurements by inserting a shunt resistor or using a current transformer have the disadvantage of having to break the circuit conductor. With traditional clamp-on current meters, measurements can only be made on single conductors, requiring covers to be moved to gain access. Even then, it is often awkward to get sufficient cable free to reach the jaws of the clamp.

With the FlexiClamp, there is now:-

- no need to remove covers
- no need to split cables

All that is needed is to place the jaws around the outside sheath of the cable.

With the FlexiClamp, current can be measured in 2- or 3- wire, round, flat or twin and earth cables to 40 A, with a resolution of 0.1 A. Single-wire measurements up to 199.9 A mean that the FlexiClamp can also function as a 'traditional' clampmeter.

The FlexiClamp is optimised for specific line frequencies and cable types and is available in both 50 Hz and 60 Hz variants.

SAFETY

With a robust ABS case, the FlexiClamp is designed to keep the user safe, meeting IEC1010-2-032 to installation category III at 1000 V on cables. As part of this designed-in safety, a tactile barrier provides a safe working distance from live conductors for the operator's hand.

APPLICATIONS

Use it anywhere where you want to measure current without breaking a circuit or splitting cables. The FlexiClamp can also be used in place of traditional clampmeters, when commissioning, or for general maintenance work in electrical machinery and installations.

In many applications, the indication of voltage alone is insufficient to verify that an appliance is working.

For instance, having fitted a new thermostat to a water heater, a neon may indicate voltage, but the element may be open-circuit. With the FlexiClamp you can verify and measure the current simply by clamping round the outer cable sheath.

When fault-finding, a voltmeter may indicate a voltage at the terminals of a single-phase motor, but not help diagnose the problem any further. With the FlexiClamp, the distinction may be made between a high current potentially indicating a shorted winding or locked rotor and an open-circuit fault, such as a disconnected termination or burnt-out winding.

FEATURES

- Current measurement in 1, 2 or 3 conductor cable
- Use on flat or round cables
- Measures up to 200 A on single-core cables
- Measures up to 40 A on multi-conductor cables
- Jaws accommodate cables up to 1" diameter
- Convenient data hold facility
- Auto Power-off to conserve battery life

SPECIFICATION

Measurement Ranges

Single-wire mode 0 - 199,9 A
 2- or 3-wire mode 0 - 40,0 A

Resolution

0,1 A In both modes

Accuracy at 22°C and rated frequency

Single-wire mode 2% of reading ± 2 digits

2- or 3-wire mode:

flat cable 5% of reading ± 2 digits
 twin & earth cable 5% of reading ± 2 digits
 round cable 12% of reading ± 2 digits

Jaw Capacity 25 mm (1") max.

Power Supply

1 x 9V alkaline battery (IEC 6-LR61/PP3 or equivalent)

Battery Life

50 hours continuous use
 Auto-power off after 5 minutes

Display

3½ digit L.C.D. with data hold and low battery indication
 Update every 0,5s

Temperature range

0°C to 40°C

Humidity range

0% to 92% RH non-condensing

Safety

Complies to IEC 1010-2-032 and EN61010-2-032 Cat. III
 300 V phase to earth (bare wire) and 1000 V (Insulated cable)

Dimensions

110 x 230 x 45 mm
 (4¼" x 9" x 1¾")

Weight

285 g
 (10 oz approx.)

EMC

The instrument meets EN 50081-1 and EN50082-1 (1992)

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ORDERING INFORMATION

Item (Qty)	Order Code	Included Accessories
Multi-core Digital Clampmeter ... FlexiClamp 200/50 Hz		Carrying Pouch with belt loop 8101-101
Multi-core Digital Clampmeter ... FlexiClamp 200/60 Hz		User Guide 6172-215
		9 V Alkaline Battery (PP3/IEC6-LR61) 25511-840