

MLCA

Megger Low Current Adapter



- Interfaces with Megger relay test sets to provide high accuracy at very low test currents.

DESCRIPTION

The Megger Low Current Adapter (LCA) is a small, light-weight, field portable, unit specifically designed to provide multiple precise very low current sources with the Megger MPRT relay test system.

APPLICATIONS

The combination of the MPRT and the LCA provides a very powerful test capability. A single LCA unit can provide a maximum of three currents 10 to 200 milliamps each phase. The LCA is especially designed for testing very sensitive extremely low current relays with high accuracy amplitude and phase angle. With a three channel MPRT unit and the LCA unit the user can test relays which require three phase voltage and three phase currents, where the currents range as low as 7.5 milliamps up to 0.20 Amperes. A typical test application would be an anti-motoring power directional relay associated with generator protection.

SPECIFICATIONS

LCA Input/Output Terminals

Three (3) high current fuse protected input terminals, and three (3) low current output terminals are provided.

Amplitude Accuracy

At 23° C ±5° C, 50/60 Hz, typical accuracy is less than 0.1% from 10 to 200 mA. Maximum error is ±1% from 10 mA to 200 mA, 0° to 50° C. For test currents less than 10 mA, ±1.5% down to 7.5 mA.

Phase Angle Accuracy

±0.1° typical, ±0.25° maximum at 50 or 60 Hz, full-scale output current.

Ratio: 100/1

Rated Burden: 12 VA

Temperature Range

Operating: 32 to 122° F
(0 to 50° C)

Storage: -13 to 158° F
(-25 to 70° C)

Relative Humidity

90% RH, Non-condensing

Dimensions

10.0 W x 3.25 H x 6.0 D in. (250 W x 81.25 H x 150 D mm)

Weight

4.70 lbs. (2.12 kg)

Enclosure

The unit comes mounted in a rugged enclosure for field portability. A padded soft-sided carry case is provided.

ORDERING INFORMATION

Item (Qty)	Cat. No.
Megger Low Current Adapter	MPRT LCA
Includes	
Instruction Leaflet (1 ea)	720923
Carry Case (1 ea.)	684034
Optional Accessories	
Test lead, red, 200 cm, use with voltage/current (up to 15Amps) outputs and timer (3 ea.) CAT II	684000
Test lead, black, 200 cm, use with voltage/current (up to 15Amps) outputs and timer (3 ea.) CAT II	684001
Test lead, red, 150 cm, use with current (up to 30 Amps) outputs and timer (3 ea.) CAT II	15923
Test lead, black, 150 cm, use with current (up to 30Amps) outputs and timer (3 ea.) CAT II	15924

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