

GENERAL DESCRIPTION

The MULTI-AMP Model MS-1A test unit has a patented circuit consisting of a continuously variable autotransformer which supplies a MULTI-AMP output transformer, thus providing stepless

control of the output current. Integral metering, timing and control circuitry are included. The unit is housed in a convenient suitcase-type enclosure for easy portability.

COMMON TEST APPLICATIONS

Model MS-1A will test time-current characteristics of motor overload relays and molded case circuit breakers rated up to 100 amperes by simulating overloads up to 300% of their rating.

Auxiliary applications include testing of in-line motor cut-outs, fuse links, meters and ratioing current transformers.

SPECIFICATIONS

- Rating:** 0.6 kVA
- Input Voltage:** 120 volts or 240 volts, as ordered by customer.
- Input Frequency:** 60 hertz or 50 hertz, as ordered by customer.
- Output:** Continuously adjustable in four ranges to meet a variety of test circuit impedances:
- 0 - 140 volts at 4.5 amperes
 - 0 - 24 volts at 25 amperes
 - 0 - 6 volts at 100 amperes
 - 0 - 3 volts at 200 amperes
- Ammeter:** A large, easily read instrument with 3½-inch scale:
Scales: 5/10/25
Ranges (switch selected): 0-2.5/5/10/25/50/100/250/500 amperes.
- Timer:** A solid-state digital timer accurate to ± 0.5 second. Measures elapsed time of the test from 0.1 second to 9999.9* seconds. Push-button reset.
- Housing:** Molded plastic, high strength suitcase type enclosure with easy-to-carry handle. Storage space is provided for test leads.
- Dimensions:** Height: 9 inches. Width: 14½ inches. Depth: 9 inches.
- Weight:** Net: 35 pounds. Shipping: 42 pounds.
- Test Leads:** Two No. 22 timer leads each 5 feet long. These leads are used to connect the binding posts on the MS-1A labeled CONTACTS to the contacts of the device under test which will open when the device trips.
Two No. 4 high current leads, each 5 feet long. These cables are used to connect the output terminals of the MS-1A to the current element of the device under test.

* S/N 4973 and up.