

## FEATURES

RUGGED ENCLOSURE  
EASY TO READ SCALE  
BATTERY OPERATED  
VERY PORTABLE  
100 GΩ SCALE  
5-YEAR WARRANTY

## V5 MEGOHMMETER 5 kV Insulation tester



## DESCRIPTION

The Miller insulation tester is suitable for heavy-duty applications such as large industrial electrical installations, large rotating plant machinery, transformers, switchgear, high voltage insulators and power cables. Switch selectable test voltages of 500, 1000, 2500 and 5000 volts are provided. The instrument can be used for dielectric absorption and insulation resistance tests. While the test button is in the non-depressed position the V5 behaves as a voltmeter. This allows any voltage on the device under test to be observed before and after testing. During extended testing the test button can be locked in the closed position for convenient operation. An onboard clock records the test duration in seconds and minutes with a resolution of 1 second. The instrument has a guard terminal to remove the effect of unwanted leakage. The V5 has an automatic capacitive circuit discharge facility to enable discharging the device under test after test completion. An internal rechargeable battery provides power. The instrument is supplied with two test leads and an instruction book. The rugged case provides space for test lead storage.

## SPECIFICATIONS

**Resistance range:** 100 kΩ to 100 GΩ (all test voltages)

**Test voltage:** 500 V, 1 kV, 2.5 kV, 5 kV DC

**Voltage measurement range:** 50 V to 1000 V AC or DC

**Accuracy:** ±2% of scale length

**Short circuit current:** 2 mA maximum

**Terminal voltage on open circuit:** within ±3% of rated voltage

**Capacitor charging time:** <18 sec (2 μF to 1 GΩ at 5 kV test voltage)

**Capacitor discharge time:** <2 sec for 2 μF from 5 kV to 50 V following release of test button.

**Power supply:** NiCd battery pack (4.5 A-Hr)

**Dimensions:** 11" x 7.5" x 7" (28 cm x 20 cm x 18 cm)

**Weight:** 12 lb. (5.5 kg)