



Features

- ★ High sensitivity insulation and continuity tester
- ★ Multi-voltage insulation testing up to 1 kV
- ★ Guard terminal to minimise the effects of surface leakage
- ★ Hand driven a.c. brushless generator
- ★ Accuracy of reading unaffected by variation in generator speed
- ★ Evershed cross-coils movement
- ★ Individually calibrated
- ★ Rugged construction
- ★ Terminals accommodate all standard types of cable termination
- ★ Discharge arrangement for safe testing of capacitive circuits

Applications

Electrical maintenance of medium voltage distribution networks and rotating plant machinery, servicing of switchgear, transformers and industrial installations.

Description

MJ8 is a general purpose, high sensitivity, multi-voltage instrument for heavy duty insulation and resistance testing. It generates three test voltages from 250 V to 1000 V d.c. Range selection is by a rotary switch which has a discharge position for safe testing of capacitive circuits.

The test voltages are derived from a hand-cranked generator, indication being given by an Evershed cross-coils movement. Each movement is individually calibrated, requires no setting-up and is designed for long term accuracy. Small voltage variations do not affect the readings. Strong terminals including a guard terminal are provided for connecting the test leads.

The tester is enclosed in a rugged, lightweight, insulated metal case with a carrying handle.

Insulation Range

D.C. TEST VOLTAGE

250 V	0- 500 M Ω and ∞
500 V	0-1000 M Ω and ∞
1000 V	0-2000 M Ω and ∞
	Discharge
	0-20 k Ω

Continuity Range

Voltage Tolerance

At 180 rev/min, on open circuit, within
 -0 + 5% on 1000 V range
 -0 + 10% on all other ranges

Voltage Stability

Variation due to changes in handle speed between 180 and 240 rev/min \pm 3% on open circuit

Voltage Source

Hand operated brushless a.c. generator with semiconductor rectifier

Ripple Content

Typical values at 180 rev/min
 250 V range 23 V peak-peak
 500 V range 45 V peak-peak
 1000 V range 30 V peak-peak

Movement

Evershed cross-coils ohmmeter requiring no adjustment

Accuracy

Individual calibration. The maximum displacement of the pointer from any marked scale position when checked against a standard resistor is \pm 0.76 mm (0.03 in.)

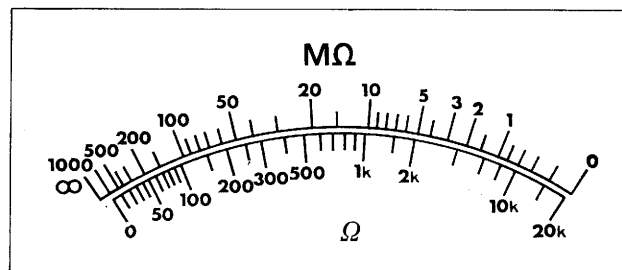
Dimensions

178 x 114 x 127 mm (handle closed)
 (7 x 4½ x 5 in.)

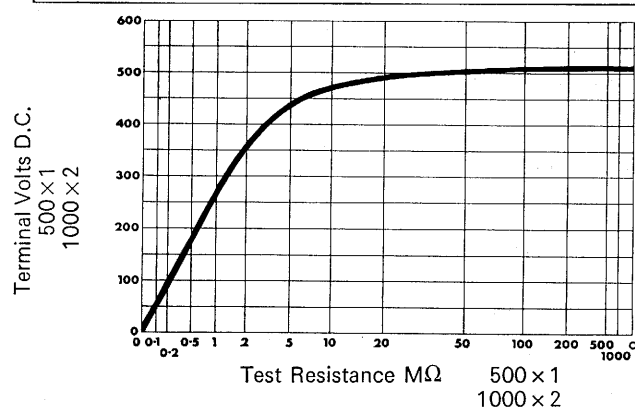
Weight

2.5 kg
 (5½ lb)

Illustration of scale: full size



Typical Voltage Characteristics



EVERSHED & VIGNOLES LTD **Your MEGGER Distributor** **Price**

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