DIGITAL WINDING RESISTANCE METER

AMBER XRM-20K

Features

- Compact, Robust & Portable Instruments
- True four terminal measurement
- Direct digital reading of resistance
- Charging inductor mode for faster stability
- Up to 10 Amps DC constant current source
- Simple and easy four terminal connections
- High Accuracy
- Measurement on grounded specimens
- Disconnect status indicator for safety

Indicator & Display

- 4½ digit LED display for Current & Resistance.
- Direct read-out in Milli Ohm or Micro Ohm.
- Safe & Unsafe indicator for cable connection.
- Indication of flow of output current.

Switches & Controls

- Switch to select the DC current flow through the test specimen.
- Switch for power with indicator.
- Switch to select the range of resistance.
- Easy replaceable fuse on the rear panel.

Description

AMBER's Digital winding Resistance Meter is Simple, Accurate & Robust instruments used to measure resistance of highly inductive & resistive loads. The true four terminal method is used to overcome even the errors due to lead lengths.

The constant current source is derived directly from the line voltage and the current regulator uses triac circuit on the AC side and an internal known shunt in the DC current path as reference.

The equipment has switches to control the current selected at different ratings and the other for choosing the appropriate range of resistance measurement and the value of resistance will be directly read-off from the 4½ digit LED display. The Instrument uses charging inductor mode to get faster stability.

Applications

- High inductive & Resistive load measurements.
- Quick & reliable measurement of low & high resistance.
- Very low resistance measurements on buss-bars, contactors, breakers & welded joints.

Specification

Output Current	: 0.1m,1m,10m,0.1A,1A & 10A
Resistance Range	: 0.1μ – 20KΩ
Channel	: Single
Resolution	: 0.0001mΩ
Rating	: 10Amps Continuous
Displays	: Resistance reading on 4½ digit LED display
Accuracy	: ± 0.5% of the reading & ± 5counts
Power	: 230V AC ± 10%, 50Hz
Temperature	: 0°- 50° C
Dimensions	: 19"x15"x6"(LxWxH)
Weight	: 22 Kgs (approx)

Specifications may change without notice due to continuous development.

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