

Insulation Resistance Test Instrument Model M300RT

Safe, Fast, Efficient

- Performs DC insulation resistance test — detects up to 4000 megohms at 500 VDC
- Tests in compliance with UL, VDE, IEC and MIL STD 202 test standards

Production/Quality Assurance Testing

- Fully Automatic test cycle
- detects and indicates the following:
 - Test Ready (Security Chassis Ground Sensed)
 - Test in Progress
 - Test Passed
 - Test Failed
- following test parameters easily preset via rear panel potentiometers:
 - voltage ramp
 - test time
 - insulation resistance trip point
- switch-selectable ramp & test time combinations
- arc detection circuit
- solid state control circuitry for 2 millisecond shut down



SUPERIOR SAFETY FEATURES

- shutdown within 2 milliseconds after insulation breakdown, or low insulation resistance
- electronically controlled output voltage ramp rate circuit guarantees consistently smooth ramp
- visual (audible optional) indication of high voltage applied to DUT
- visual and audible indication of insulation breakdown or low insulation resistance

Specifications



| | |
|--|--|
| Insulation Resistance Detection | Up to 4000 M Ω (megohms) |
| Output Voltage | 50–500 VDC, user specified, factory set |
| Output Voltage Ramp Rate | 50v/sec to 5000v/sec, user adjustable |
| Test Time | 1 second to 180 seconds, user adjustable |
| Shutdown Time | 2 milliseconds |
| Input Power Required | 115/230 VAC, 44-66 Hz, 300 watts maximum |
| Dimensions | 16.75" x 5.25" x 13.25" (43 cm x 13 cm x 34 cm) |
| Weight | 24 lbs (11 kg) Net 29 lbs (13 kg) Shipping |
| Color | Mint Grey/Olive Grey |

OPTIONS

- 01 — Remote Control (Digital)
- 05 — Hands-Off Operation
- 06 — Rear Panel Lockout Cover
- 10 — Audible Testing Tone
- 15 — Rack Mounting
- 19 — Remote Control (Analog & Digital)
- 24 — Blank Front Panel (Start)
- 25 — Two-Voltage Switch (250V/500V Normal)



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