



MIS-D5



Reliable Insulation Testing—Anytime, Anywhere.

The MIS-D5 is a reliable, user-friendly handheld digital megohmmeter designed for accurate insulation resistance testing in electrical installations, cables, motors, transformers, and a wide range of industrial equipment. Combining selectable high-voltage testing options, a clear and easy-to-read display, and advanced safety features—including alarms and overload protection—the MIS-D5 delivers consistent, dependable performance in demanding environments. Its rugged, durable build makes it well-suited for electricians, field technicians, and industrial maintenance professionals who require precision measurements up to 2 GΩ. Whether in the workshop or out in the field, the MIS-D5 offers a practical and robust solution for insulation diagnostics.

Key Features

- Selectable Test Voltages: 250 V, 500 V, and 1000 V DC
- Insulation Resistance Range: 0.1 M to 2000 M (2 GΩ max)

AC /DC Voltage Measurement
Up to 750 V AC / 1000V DC

- Large Backlit LCD: Easy-to-read 1999-count display
- Data Hold Function: Freeze readings on screen
- Lock Test Button: For continuous or long-duration measurements
- Audible & Visual Alarms: For over-voltage and continuity checks
- Auto Power-Off: Saves battery after 15 minutes of inactivity
- Overload Protection: Built-in safety for voltage and resistance modes
- Compact & Durable: Shock-resistant design with anti-interference features

Application

- Ideal for preventive maintenance, quality checks, insulation testing of transformers, motors, cables, switchgear, and industrial equipment.

www.gpslimited.com/MISD5
For all enquiries, Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com

Technical Specifications

MIS-D5 Digital Insulation Resistance Tester	
Display	1999 counts LCD, 60x32 mm, backlit
Voltage Modes	250 V / 500 V / 1000 V [DC]; AC up to 750 V ; DC up to 1000V
Resistance Range	0.1 M – 2000 MΩ [2 GΩ max]
Accuracy	±(4% + 2 digits)
Short-circuit current	~1.4–1.8 mA
Frequency response	50–200 Hz [AC measurement]
Sample rate	~3 readings/sec
Input impedance	1 M
Battery	6 AA (LR6) or optional external DC adapter
Power Consumption	≤ 300 mW [no-load]
Display Over-range	"1" for voltage; >1999 M for resistance
Fuse	100 mA/60 V resettable

Standards Compliance

Meets IEC 61010-1 CAT III 600 V and IEC 61557-1/2

Overload Protection

Insulation test: Withstands up to 1200 V AC for 10 seconds

Voltage test: Protected up to 750 V AC / 1000 V DC

Input Impedance

1 MΩ for safe circuit interaction

Short-Circuit Current

Approximately 1.4–1.8 mA for controlled discharge

Dual Alarms

Audible and visual alerts for hazardous voltage or continuity faults

Auto Discharge Function

Automatically discharges residual voltage after test

Anti-Interference Design

Built-in shielding against electromagnetic noise

Protective Housing

Durable, non-slip casing for field and industrial environments

Standard Accessories

MIS-D5 unit

Test leads with alligator clips

User manual

6 AA batteries

Optional: Shoulder strap and AC adapter
[sold separately]

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
MIS-D5	Handheld Digital Insulation Resistance Tester	870167

Mass

580–630 g [incl. batteries]

Dimension

Main unit: 178 x 110 x 62 mm

Operating

0–40 °C, ≤ 85% RH non-condensing

Storage

–20 °C to 60 °C, ≤ 90% RH non-condensing

Altitude

Up to 2000m

Services

1-year warranty (subject to product registration with GPS Ltd)
Please contact for more information.

www.gpslimited.com/MIS-D5
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