



**Cambridge Instruments
& Engg. Co.**

EST. 1963 · HOWRAH, INDIA

DIGITAL INSULATION TESTER · AUTO-RANGE

DIT-5000

Auto-ranging digital insulation tester · HV output indicator · backlit LCD

01 KEY FEATURES

- Auto-ranging, auto zero, auto polarity
- HV LED output indicator
- Backlit 3½-digit LCD
- AC voltage measurement
- Replaceable AA batteries



DIT-5000 · DIGITAL INSULATION TESTER

02 TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
INSULATION RESISTANCE TEST	
Output Voltage	500 V / 1000 V / 2500 V / 5000 V
Insulation Resistance	1 MΩ – 200 GΩ
Short Circuit Current	1 mA
Acc. 1M–200MΩ	±(3% × reading + 5 digits)
Acc. 200M–10GΩ	±(5% × reading + 5 digits)
Acc. 10G–200GΩ	±(10% × reading + 5 digits)
DISPLAY & MEASUREMENT	
AC Voltage Measurement	Up to 750 V (secondary function)
Display	3½-digit LCD, 68×55 mm, 35 mm characters, backlit
Ranging	Auto-range, auto zero calibration, auto polarity
HV Indicator	High-voltage LED - lights when output is live
GENERAL	
Power Supply	6×1.5 V AA batteries (replaceable)
Dimensions (L×W×H)	218 × 122 × 75 mm
Weight	Approx. 900 g
Warranty	12 months against manufacturing defects only

03 APPLICATIONS

- Motor and rotating-machinery insulation testing at higher voltages
- HV transformer and cable insulation testing up to 5000 V
- Utilities and large industrial plants requiring 5000V class testing

04 WHAT'S IN THE BOX

- ✓ Test leads
- ✓ 6×AA batteries
- ✓ User manual
- ✓ Carrying box

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