



5 kV, 10 T Ω
(0.5, 1, 2.5, 5 kV)
Polarization Index (PI)
Dielectric Absorption Ratio (DAR)

Features:

- Automatic-microcontroller operated
- Test voltages: 0.5kV, 1kV, 2.5kV, 5kV
- Resistance range to 10T Ω
- Continuous digital display on LCM with bar graph
- Test modes:
 - Insulation resistance,
 - PI (Polarization Index)
 - AR (Dielectric Absorption Ratio)
 - (PI and AR automatically calculated)
- High charging circuit: >3mA
- Data storage-250 sets of results, data recall and real time + calendar data
- Backlit LCM with status and battery condition display
- Power source: Internal re-chargeable battery / AC mains

Standards:

- Instrument to IS:10656 / IS 11994
- Safety standard to IEC 61010-1

HD ENGINEERING & SERVICES

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Insulation Resistance Tester: HD IT5K

Main Features:

- Advanced MCP technology
- Tests: IR; AR [DAR]; PI
- Test Voltages: 0.5-1-2.5-5 kV DC
- Insulation range up to 10 Tera Ohms
- Large LCM (back lit)
- Built in rechargeable lithium battery

Applications:

- Rotating machines
- Transformers
- Cables
- HV Generators
- Electrical circuits
- Surge Arresters
- Transducers
- Electrical components

Technical Data:

Test Voltage	0.5 / 1 / 2.5 / 5 kV DC
Voltage accuracy	+/- 5% of rated value
I R range	1 MΩ to 10 TΩ
I R accuracy	1MΩ-10MΩ : +/-10%rdg +/-3 dgt 10MΩ-10GΩ : +/-5%rdg +/-3 dgt 20GΩ-200GΩ : +/-10%rdg +/-3 dgt 200GΩ-4TΩ : +/-20%rdg > 4TΩ : unspecified
Test sequence	Insulation resistance (IR) Absorption ratio (DAR) Polarization ratio (PI)
Functions	Test, save, recall,
Discharge rate	from 5000V to 50V: < 250 ms / uF
Power source	Internal rechargeable lithium battery
Ambient	5-40 deg C / RH= max 70%
Enclosure	Strong molded cabinet with cover
Dimensions	28 x 21 x 10 cm approximate
Weight	2.5 kg approximate

Accessories:

- Test leads 2 meter long 3 pcs
- Battery charger 1 pc
- Works test certificate 1 pc
- Operating manual 1 pc

Optional Accessories:

- Test leads 10 meter long 3 pcs

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