

TECHNICAL SPECIFICATIONS OF 5 kV DC DIGITAL INSULATION RESISTANCE TESTERS

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|---|--|---------------------|
| 10 | Insulation Resistance Range: 10 kΩ -- 10 TΩ @ 5kV Accuracy: ± 5.0 % rdg or better | |
| 11 | Leakage Current Measurement at full voltage level | |
| 12 | Short Circuit Current: 06 mA or better Charge Current : 02 mA or better High Noise immunity-6 mA of noise rejection | |
| 13 | Capacitor charge battery power Capacitor charge AC power Capacitance Range at full voltage level Capacitor discharge time | } Vendor to specify |
| 14 | Timer: Digital timer, User selectable, 0-99 min 59 Sec in form mm:ss m=minute, s=second Test to be terminated automatically at the end of preset time and discharge automatically. | |
| 15 | The test set should be able to operate in an environment of temperature 0 to 50°C & humidity of 10-85% RH (Non condensing) | |
| 16 | The instrument should have detachable test leads for avoiding damage to the cables as well as to the instrument. The test set should have audio/visual alarm while test is under progress. | |
| 17 | The test kit shall meet all the relevant international safety specifications | |
| The Test equipment shall be offered complete with the items mentioned below: | | |
| 18 | Main equipment with following... <ul style="list-style-type: none"> • Power supply cord • High voltage lead, Low voltage lead, Guard lead/Earthing Lead. (minimum 3.0 meter lead set x 3, with large Insulated Clips) • Tough Carrying case for test leads and accessories. | |
| 19 | Two sets of operating / maintenance manuals in English language. Original technical catalog to be included along with technical bid. | |
| 20 | Three sets of calibration reports from NABL Accredited Lab covering full range of the equipment with following details should be provided. Calibration date, periodicity, calibration validity duration & next calibration due date. Traceability details of standard used for calibration. All documents should be endorsed by authorized signature. | |

Signature
25.07.16

Signature
26/7/16

