

15,000 V Insulation Tester Delta™ Delta- 15K



High Performance Specification

The Delta05K, 5000V insulation resistance tester offers digital insulation testing up to 5 kV with Resistance measurement: 10 TΩ, making it ideal for testing high voltage equipment including switchgear, motors, generators and cables.

Data collection is easy using the Software. Real-time trending shows a live graph on your phone, rather than a hard-to-read set of changing values. And you can create reports quickly, using pre-designed templates that you can customize with company logos. The Delta05K insulation tester can conduct the entire range of test voltages with best accuracy and CAT IV 600 V safety rating.

High performance features include bargraph, built-in memory, leak current and voltage testing, and DAR and PI calculation capabilities to help shorten work time associated with field insulation testing.

- Large Liquid Crystal Display with backlight
- IR, timed IR, DAR, PI, DD, SV and ramp diagnostic test
- Resistance measurement: 35 TΩ - 15 kV
- High current - 6 mA short circuit current
- High noise immunity - 8 mA of noise rejection
- Rechargeable NIMH battery + AC Adaptor
- CAT IV 1000 V safety rating up to 4000 m
- Dedicated voltmeter function (50 V to 650 V) AC or DC
- Both Analog & Digital Display
- Remote operation via USB cable



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Technical Specifications

| Function | Range / Values |
|---|--|
| Test modes | IR, IR(t), DAR, PI, SV, DD, ramp test |
| Test Voltage Range | 250 V, 500 V, 1000 V, 2500 V, 5000 V, 10000 V, 15000 V |
| Test Voltage Step | 100 V to 1 kV in 10 V steps 1 kV to 5 kV in 25 V steps, 5 kV to 15 kV in 25 V steps |
| Test voltage Accuracy | +4%, -0%, ±10 V nominal test voltage at 1 GΩ load |
| Resistance range | Up To 35 TΩ at Full Test Voltage |
| Capacitance range | 10 nF to 50 μF |
| Current range | 0.01 nA to 6 mA |
| Current accuracy | ±5% ±0.2 nA at all voltages |
| High Short Circuit/ Capacitor Charge Current | 6 milliAmp |
| Interference | 8 mA from 2800 V to 15 kV |
| Capacitor charge Time | < 3 s/μF to 5 kV, <5 s/μF to 10 kV, < 8 s/μF to 15 kV |
| Capacitor discharge time | 5 kV to 50 V :< 150 ms/μF, 10 kV to 50 V:< 250 ms/μF, 15 kV to 50 V:< 4000 ms/μF |
| Voltmeter range | 50 V to 650 V ac or dc |
| Voltmeter accuracy | ±3%, ±3V |
| Interface | USB |
| Data Logging/Memory | Yes |
| Operating temperature | - 10 °C to 50 °C |
| Storage temperature | -20 °C to 60 °C |
| Humidity | 90% RH |
| IP rating | IP65 (closed case), IP40 (open case) |
| Safety | Meets the requirements of IEC 61010-1, CATIV 600 V |
| Guard terminal performance | Guards out parallel leakage resistance down to 250 kΩ with a maximum additional resistance error of 1% with a 100 MΩ |
| EMC | As per IEC61326-1 |
| Weight | 7 kg |
| Dimensions | 320 mm x 200 mm x 380 mm |
| Battery | Rechargeable NIHM battery |
| Power | 90 - 264 V rms AC Voltage |

15,000 V Insulation Tester Delta^{TMI} Delta- 15K

Ordering Information

| Code | Description |
|----------|---|
| DELTA15K | 15,000 V Insulation tester Included accessories Test Cables with Alligator Clips, Quick Reference Card USB-IR Cable Installation Guide IP67 Hard Case , Certificate of Calibration, Heavy Duty Alligator Clip Leads |

Ordering Information - Optional Accessories

| Code | Description |
|-----------|--|
| TL270HC3 | 3 mtrs. Test Lead Set with Insulated Alligator clip |
| TL270HC10 | 10 mtrs. Test Lead Set with Insulated Alligator clip |
| TL270HC15 | 15 mtrs. Test Lead Set with Insulated Alligator clip |
| AL270HC | Alligator Clip High Current |
| ATA75 | Alligator To Alligator Test Lead Set |
| BTA75 | Banana To Alligator Test Lead Set |
| ATS75 | Alligator Clip to Spade Lug |
| TL1550EXT | 25 foot extended test lead set |
| *Note | Other Accessories on Request |