



DT-6650

Multifunction Installation Tester

DT-6650 rugged Multifunction Installation Tester with 3.5" TFT color LCD display, provides insulation resistance, earth resistance, loop impedance, voltage, RCD, PFG and PSC testing. It is designed with software system and ensure the safety of electrical installations in domestic, commercial and industrial applications. 6650 series can ensure the fixed wiring is safe and correctly installed. It's fast sampling and dual display, clear symbols and exceptionally wide viewing angle are for easy and safe readings.



EMC & LVD

EN: 61326

EN: 61010-1,

EN: 61010-02-031



| Specifications | | | | | |
|---|---------------|----------------------|---------------------------|---------------------------|-----------------------|
| Insulation | | | | | |
| Terminal Voltage | Range | Max Resolution | Accuracy | Test Current | Short circuit current |
| 125V (0% ~ +10) | 0.125~4000 MΩ | 0.001MΩ | ±(2%+10) | 1mA@load 125kΩ | ≤1mA |
| 250V (0% ~ +10) | 0.250~4000 MΩ | 0.001MΩ | ±(2%+10) | 1mA@load 250kΩ | ≤1mA |
| 500V (0% ~ +10) | 0.500~4000 MΩ | 0.001MΩ | ±(2%+10) | 1mA@load 500kΩ | ≤1mA |
| 1000V (0% ~ +10) | 1.000~4000 MΩ | 0.001MΩ | ±(3%+10) | 1mA@load 1MΩ | ≤1mA |
| Low OHM | | | | | |
| Range | Resolution | Accuracy | Max. open Circuit Voltage | Overload Protection | |
| 4.000Ω | 0.001Ω | ±(1.5%+30) | 5.8V | 250Vrms | |
| 40.00Ω | 0.01Ω | ±(1.5%+3) | | | |
| 400.0Ω | 0.1Ω | | | | |
| Continuity Beeper | | | | | |
| Range | Resolution | Operation Resistance | Max. open Circuit Voltage | Overload Protection | |
| Continuity | 0.01Ω | Resistance≤35Ω | 5.0V±1VDC | 250Vrms | |
| Short circuit current | | ≥200mA | | | |
| LOOP Resistance | | | | | |
| L-PE (Hi-Amp) | | | | | |
| Range (Ω) | | Max. Resolution (Ω) | | Accuracy | |
| 0.00~999 | | 0.01 | | ±(4% of reading+6 digits) | |
| L-PE(No Trip): Measuring Current:15mA / Range of the Voltage Used: 195V a.c.~260V a.c.(56,60Hz) | | | | | |
| Range (Ω) | | Resolution (Ω) | | Accuracy | |
| 0.00~999 | | 0.01 | | ±(5% of reading+6 digits) | |
| L-N: Measuring Current:2.0A / Range of the Voltage Used:195V a.c.~260V a.c.(56,60Hz) | | | | | |
| Range (Ω) | | Max. Resolution (Ω) | | Accuracy | |
| 0.00~999 | | 0.01 | | ±(4% of reading+4 digits) | |
| RCD Testing | | | | | |
| Test current | | | Accuracy | | |
| x1/2, x1, x2, x5 | | | 1.5%~ -9% | | |
| Voltage and Frequency | | | | | |
| Measurement Range (V)/ AC-DC | | Resolution | | Accuracy | |
| 80-500V/(45-400Hz) | | 1V | | ±(2% of reading+2 digits) | |

| Features |
|--|
| 3.5" TFT color LCD display with 320x240 pixels |
| Fast high current loop test |
| Variable RCD current mode for customized settings |
| PASS/FAIL indication for RCD tests |
| Select voltage measurement between L-N, L-PE and N-PE |
| Support SD memory and USB and Bluetooth interface |
| Internal Memory |
| Safe Earth Volt Touchpad detects raised earth voltages >50 V, indicating potential dangerous situations. |
| Slim probes designed with test button |
| For easy, always reliable and accurate compensation of test leads and mains cords. |

Size (H x W x D): 220mm x 96.5mm x 60.5mm

Weight: 631g

Applications

EN 61010-1
CATIV 400V

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| | | |
|------|------|------|
| x1 | 0° | 36ms |
| 30mA | 180° | 28ms |

HELP N PE L L-PE : 220V

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| | | |
|------|------|------|
| X1 | 0° | 25mS |
| X1.2 | 180° | 30mS |
| X1 | 0° | 45mS |
| X1 | 180° | 34mS |
| X5 | 0° | 24mS |
| X5 | 180° | 23mS |

HELP N PE L L-PE : 220V

Combined reading on the images

Test probe with test button design

Safety design with sliding shield plate to avoid the electric shock

Accessories: Test leads, 8 x1.5V"AAA" batteries, USB cable and Software, gift box with carrying case.