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CEM DT-6650

Multifunction Installation Tester



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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.

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

Specifications

Insulation

Terminal Voltage	Range	Max Resolution	Accuracy	Test Current	Short circuit current
125V (0% ~ +10)	0.125~4000M Ω	0.001M Ω	$\pm(2\%+10)$	1mA@load 125k Ω	≤ 1 mA
250V (0% ~ +10)	0.250~4000M Ω	0.001M Ω	$\pm(2\%+10)$	1mA@load 250k Ω	≤ 1 mA
500V (0% ~ +10)	0.500~4000M Ω	0.001M Ω	$\pm(2\%+10)$	1mA@load 500k Ω	≤ 1 mA
1000V (0% ~ +10)	1.000~4000M Ω	0.001M Ω	$\pm(3\%+10)$	1mA@load 1M Ω	≤ 1 mA

Low OHM

Range	Resolution	Accuracy	Max. open Circuit Voltage	Overload Protection
4.000 Ω	0.001 Ω	$\pm(1.5\%+30)$	5.8V	250Vrms
40.00 Ω	0.01 Ω	$\pm(1.5\%+3)$		
400.0 Ω	0.1 Ω			

Continuity Beeper

Range	Resolution	Operation Resistance	Max. open Circuit Voltage	Overload Protection
Continuity	0.01 Ω	Resistance $\leq 35\Omega$	5.0V ± 1 VDC	250Vrms
Short circuit current		≥ 200 mA		

LOOP Resistance

L-PE (Hi-Amp)

Range (Ω)	Max. Resolution (Ω)	Accuracy
0.00~999	0.01	$\pm(4\%$ 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	$\pm(5\%$ 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	$\pm(4\%$ 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	$\pm(2\%$ of reading+2 digits)

DT-6650

Multifunction Installation Tester

Accessories: Test leads, 8 x 1.5V "AAA" batteries, USB cable and Software, gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Combined reading on the images



Safety design with sliding shield plate to avoid the electric shock

