

INSULATION TESTER 0.5-10KV



Part No. TIN7D

The TIN7D industrial insulation tester is a robust, heavy duty that tests insulation at 20 different voltages from 500V to 10kV. It is designed to read accurately in harsh environments.

The tester has a digital bar-graph showing DC output voltage and will indicate and show discharge. The TIN7D will autodischarge and display a "HOLD" message on the display when discharged. After running an insulation test for a minute, Dielectric Absorption Index Ratio (DAR) with the test time is displayed. After 10 minutes, polarization index is displayed. The TIN7D calibrations are saved into a non-volatile memory. The meter will retain their ultra-precise calibration indefinitely. The latest EEPROM technology is used to calibrate and there are no physical adjustments.

The TIN7D has built-in Integral Guard Circuitry to eliminate errors due to surface current creepage. The operation is microprocessor controlled, giving visual and audible indications and warnings to alert test engineers to the status. Current limiting circuitry protects insulation being tested against 'over-power'. This also protects the test engineer against accidental shocks from the 'live' test probes.

- Auto ranging on insulation
- Pre set voltage buttons 1, 2.5, 5 & 10 kV
- Adjustable Steps of 500V
- Microprocessor controlled
- Auto-discharge detector and indication
- Automatic battery test
- Current limit/power limit
- Crowbar/flash-test protection
- Guard circuitry for creepage
- Timer indication with DAR and PI
- ENER-SAVE™ battery energy saving technology
- Heavy Duty case

EA	QTY 1
Compliance and Safety	Meets IEC/EN61010-1 CAT 111 300V EMC meets EN61326-1.
Contents	The TIN7D is supplied in a gift box with instruction manual, colour coded leads and batteries.
Dimensions	L330 x W260 x T160mm
Batteries	8 x 1.5V "C" Alkaline
Weight	3.6kg

Feature	Range	Accuracy
Test Voltage (DC V)	1kV, 2.5kV, 5kV and 10kV Adjustable in steps of 500V	± 5% ± 2
Insulation Resistance	800k to 500 GΩ	
Measuring Range @ 500V	800k to 25 GΩ	
1 kV	800k to 50 GΩ	
2.5 kV	800k to 125 GΩ	Voltage = 20% - 5% of nominal Value
5 kV	800k to 250 GΩ	
10 kV	800k to 500 GΩ	
Live Warning	>500V AC	
Output Power Limited	1W	
Operating temperature	0 – 40 C	
Humidity	85%	

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer’s instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.