

HIGH VOLTAGE INSULATION TESTER

The CABAC TIN7D industrial insulation tester is a robust, heavy duty unit that tests insulation at 20 different voltages from 500V to 10 kV. It is designed to read accurately in harsh environments. The tester has a digital bargraph showing DC output voltage and will indicate discharge. The unit will auto discharge 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 is factory calibrated to the highest international standards and digitally 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. These units have built-in Internal 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.

FEATURES

- Auto ranging on insulation
- Preset 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-SAVETM battery energy saving technology
- Heavy Duty case

SAFETY AND COMPLIANCE

- Meets IEC/EN61010-1 CAT 111 300V
- EMC – meets EN61326-1, C \checkmark

RANGE AND ACCURACY

Features	TIN4D	Accuracy Range
Test Voltages (DC V)	1kV, 2.5kV, 5kV and 10kV Adjustable in steps of 500V	± 5% ± 2 digits
Insulation Resistance	800k to 500 GΩ	
Measuring Range @ 500 V	800k to 25 GΩ	Voltage =20% - 5% of nominal Value
1 kV	800k to 50 GΩ	
2.5kV	800k to 125 GΩ	
5 kV	800k to 250 GΩ	
10 kV	800k to 500 GΩ	
Live Warning	>500V AC	
Output Power	1W	
Operating temperature	0 – 40 C	
Humidity	85%	



HIGH VOLTAGE INSULATION TESTER
Part No: **TIN7D**

ORDERING INFORMATION

- Cabac Part no. TIN7D
- The TIN7D is supplied in a gift box with instruction manual and test leads.
- Batteries: 8 x C size 1.5V Alkaline
- Size: 330(L) x 260(W) x 160(H)
- Weight. 3.5kg