

T1800 1000V Analogue

- Heavy Duty Carry Case
- Analogue Display
- Anti Skid/Vibration Absorbing
- Auto discharge
- Colour coded scale
- Live circuit indication
- AC Voltage measurement



Technical Specification

Test Voltages	250V,500V,1000V
Measuring Range	50,100,200mΩ
Output Power Limit	1W
Short Circuit Current (Max)	2mA DC
Continuity Range	0 -50Ω
Centre Scale	1m,2m,4mΩ
Voltage Measurement	0 -600 VAC
Accuracy	
Voltage	± 2% Offs
Insulation	± 5% Of Indicated value

Model Specification

Dimensions (mm)	170(L) x 165(W) x 92(H)
Power Source	8 x 1.5V AA Batteries
Weight	970g

T1832 1000V Analogue

- Taut Band movement
- Live Circuit indication
- Auto Discharge
- AC Voltage measurement
- Rugged Construction
- Nulling of test leads
- Continuity buzzer



Technical Specification

Insulation Test Voltage	250,500,1000V
Insulation Resistance	100M,200M,400MΩ
Centre Scale	1M,2M,4MΩ
AC Voltage	0 to 600V
Ohm meter	0 to 500Ω
Test Current	±210mA
Accuracy	
Insulation Resistance	±1% of Indicated Value
AC Voltage	±5% of Full Scale
Ohm meter	±1% of Full Scale

Model Specification

Dimensions (mm)	170(L) x 165(W) x 92(H)
Power Source	8 x 1.5V AA Batteries
Weight	970g

T1851 1000V Digital

- Continuity buzzer
- Live circuit warning
- AC voltage measurement
- Auto power off
- Robust construction
- Large display
- Auto discharge
- Live circuit indication



Technical Specification

Voltage	250,500,1000V DC
Insulation Resistance	20m,200m,2000MΩ
Open cct. V	4V DC min
Short cct. V	210mA DC min
Ohm meter	20,2kΩ
AC Voltage	0 to 600V
Accuracy	
Insulation Resistance	±3,0% + 3 Digit
Ohm meter	±1.5% + 5 Digit
AC Voltage	±1,5% + 3 Digit

Model Specification

Dimensions (mm)	170(L) x 165(W) x 92(H)
Power Source	8 x 1.5V AA Batteries
Weight	1000g

T5010C 500V Hand Crank

- Sturdy movement suitable for stringent fieldwork
- Built in discharge facility for operator safety
- Accurate & stable reading using knife-edge pointer
- Improved AC brushless generator
- Dust protected terminals



Technical Specification

Rated Voltage	500V
Rated Resistance	100mΩ
Continuity Range	0-5kΩ
Accuracy	± 5% Over First Effective Range ± 10% Over 2nd Effective Range

Model Specification

Accessories	Case, leads
Dimensions (mm)	145(L) x 110(W) x 70(H)
Weight	650g

T10020C 1000V Hand Crank

- Sturdy movement suitable for stringent fieldwork
- Built in discharge facility for operator safety
- Accurate & stable reading using knife-edge pointer
- Improved AC brushless generator
- Dust protected terminals



Technical Specification	
Rated Voltage	1000V
Rated Resistance	200mΩ
Continuity Range	0-50kΩ
Accuracy	± 5 % Over First Effective Range
	± 10 % Over 2nd Effective Range

Model Specification	
Accessories	Case, leads
Dimensions (mm)	145(L) x 110(W) x 70(H)
Weight	650g

T5050C 5000V Hand Crank

- Cross coil movement suitable for stringent fieldwork
- Built in discharge facility for operator safety
- Accurate & stable reading using knife-edge pointer
- Improved AC brushless generator
- Guard terminal to minimise effect of surface leakage current



Technical Specification	
Test Voltage	5000V
Insulation Resistance	5000mΩ
Accuracy	± 5 % Over First Effective Range
	± 10 % Over 2nd Effective Range

Model Specification	
Accessories	Case, leads
Dimensions (mm)	178(L) x 122(W) x 126(H)
Weight	2kgs

TIN4D 5KV

- Four insulation test voltages (500V-5000V)
- Insulation resistance, auto ranging on all ranges
- Bargraph indicates test voltage, decay can be observed during discharge
- Measures insulation test time
- Displays warning of external voltage
- Fully protected crow bar
- Housed in heavy duty carry case
- Insulation time interval test up to 99 sec selectable



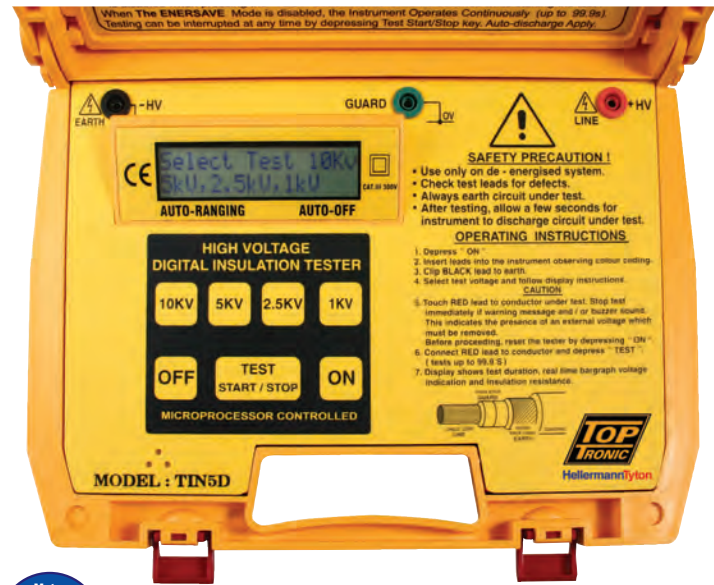
Meter Supplied With Certificate of Conformance

Technical Specification				
Insulation test voltage	500	1000	2500	5000V
Insulation Resistance	0-30GΩ	0-60GΩ	0-125GΩ	0-250GΩ
Accuracy	±3% reading + 2 digit			
Output Current Limit	50µA to 100µA			
Live Warning	>500 Volts			
Operating Temp (°C)	0-40			
Humidity %	85			

Model Specification	
Dimensions (mm)	330(L) x 260(W) x 150(H)
Power Source	6 x 1.5V C Batteries
Weight	1,8kg

TIN5D 10KV

- Four insulation test voltages (1000-10000V)
- Insulation resistance, auto ranging on all ranges
- Bar graph indicates test voltage, decay can be observed during discharge
- Measures insulation test time
- Displays warning of external voltage
- Fully protected crow bar
- Housed in heavy duty carry case
- Insulation time interval test up to 99 sec selectable



Meter Supplied With Certificate of Conformance

Technical Specification				
Insulation test voltage	1000V	2500V	5000V	10000V
Insulation Resistance	0-60GΩ	0-125GΩ	0-250GΩ	0-500GΩ
Accuracy	±3% reading + 2 digit			
Output Current Limit	50µA to 100µA			
Live Warning	>500 volts			
Operating Temp (°C)	0-40			
Humidity %	85			

Model Specification	
Dimensions (mm)	330(L) x 260(W) x 150(H)
Power Source	6 x 1.5V C Batteries
Weight	1,8kg

TIN6A 5KV-10KV

- Live circuit warning
- Auto discharge
- Battery life indication
- Heavy duty carry case
- Silicon test leads



Meter Supplied With Certificate of Conformance

Technical Specification		
Insulation test voltage	5000V	10000V
Insulation Resistance	0-200GΩ	0-400GΩ
Accuracy	±3% reading + 2 digit	
Output Current Limit	50µA to 100µA	
Live Warning	>500 volts	
Operating Temp (°C)	0-40	
Humidity %	85	

Model Specification	
Dimensions (mm)	330(L) x 260(W) x 150(H)
Power Source	6 x 1.5V C Batteries
Weight	1,9kg



TIN6D 10KV

- 20 Insulation test voltages (500V - 10kV)
- Heavy duty carry case
- Silicone test leads
- Anti skid/vibration absorbing enclosure
- Live circuit warning
- Auto discharge
- Insulation time interval test up to 99 sec selectable



Meter
Supplied With
Certificate of
Conformance

Technical Specification

Test voltages	500V, 10kV (500V increments)
Measuring Range	0-250GΩ, 800k to 500gΩ
Output Power Limit	5W
Short Circuit Current (MAX)	1.25mA
Accuracy	
Insulation Accuracy	± 5% + 1 Digit

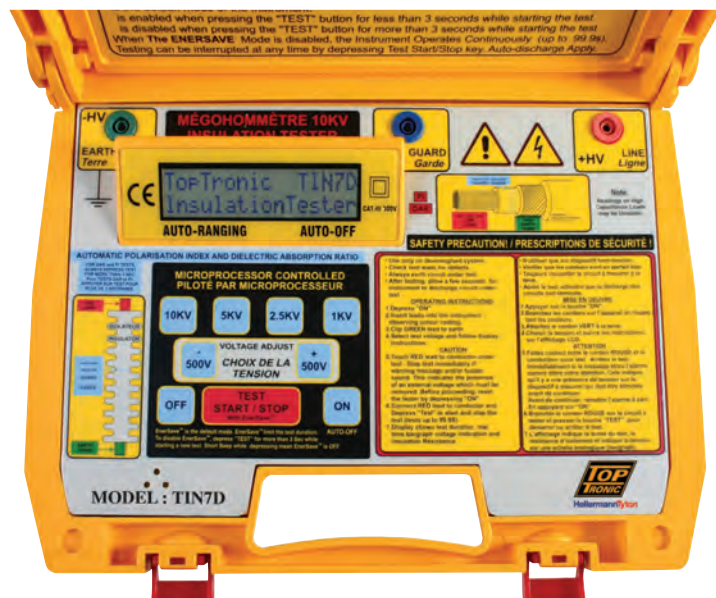
Model Specification

Dimensions (mm)	330(L) x 260(W) x 150(H)
Power Source	8 x 1.5V C Batteries
Weight	3,6kg

TIN7D 10kV

- 20 Insulation test voltages (500V - 10kV)
- Heavy duty carry case
- Polarization index
- Dielectric absorption ratio
- Live circuit warning
- Auto discharge
- 10min timer
- Insulation time interval test up to 99 sec selectable

Polarization and dielectric ratio are useful to schedule maintenance. The user can keep record of the PI and DAR results and analyse these over time. Maintenance can be done according to analysis and down time can be scheduled thus saving production time.



Meter
Supplied With
Certificate of
Conformance

Technical Specification

Test voltages	500V, 10kV (500V increments)
Measuring Range	0-250GΩ, 800k to 600gΩ
Output Power Limit	1W
Short Circuit Current (MAX)	1.25mA
Dielectric Absorbntion Ratio	R @ 1 min
Polarization Index	R @ 10 min
Accuracy	
Insulation Accuracy	± 5% + 1 Digit

Model Specification

Dimensions (mm)	330(L) x 260(W) x 150(H)
Power Source	8 x 1.5V C Batteries
Weight	3,6kg

T410 INSULATION AND CONTINUITY

- Insulation (50,100,250,500,1000V)
- Continuity (>200mA)
- 350 Memory location
- Auto power off

It was designed to effect tests in compliance with IEC61557. The minimum current for continuity test is 200mA with a minimum open circuit voltage from 4V to 24V.

USE

ISOTEST T410 permits to effect continuity test on main and auxiliary protective as well as potential equalising conductors (with a current higher than 200mA and minimum open circuit test voltage equal to 4V) and insulation test with voltages from 50V to 1000V and full scale up to 2GΩ.

FUNCTIONS

- Continuity test of earth, protective and potential equalising conductors with a current higher than 200mA and an open circuit voltage ranging from 4V to 24V.
- 250V (phase - earth)
- 415V (phase - phase)



Technical Specification

Functions	Range	Basic Accuracy	Resolution
Low Ohms	0.01 ÷ 19.99Ω	±(2% reading + 2 Digit)	0.01Ω
	10.0 ÷ 99.99Ω		0.1Ω
Insulation	0.01MΩ ÷ 99.99MΩ/50V	±(2% reading + 2 Digit)	0.01MΩ 0.1MΩ
	0.01MΩ ÷ 199MΩ/100V		0.01MΩ 0.1MΩ
	0.01MΩ ÷ 499MΩ/250V		0.01MΩ 0.1MΩ 1MΩ
	0.01MΩ ÷ 999MΩ/500V		0.01MΩ 0.1MΩ 1MΩ
	0.01MΩ ÷ 1999MΩ/1000V		0.01MΩ 0.1MΩ 1MΩ

Model Specification

Optional Accessories	Software & USB cable (TOPVIEW)
Standard Accessories	Test leads Carry case English instruction manual Calibration certificate ISO9000
Dimensions (mm)	240(L) x 170(W) x 80(H)
Power Source	6 x 1,5 AA Batteries
Weight	800g

Insulation Tester Selection Guide

	T1800	T1832	T5010C	T10020C	T5050C	TIN6A	T1851	T1151	TIN4D	TIN5D	TIN6D	T410	TIN7D
50V DC Insulation Test Voltage												•	•
125V DC Insulation Test Voltage												• (100V)	•
250V DC Insulation Test Voltage	•	•					•	•				•	•
500V DC Insulation Test Voltage	•	•	•				•	•	•			•	•
1000V DC Insulation Test Voltage	•	•		•			•	•	•	•		•	•
2500V DC Insulation Test Voltage									•	•		•	•
5000V DC Insulation Test Voltage					•	•			•	•		•	•
10000V DC Insulation Test Voltage						•				•	•	•	•
Lock Down Test Button (Continuous Test)	•	•					•					•	
Timer (Continuous Test)						•	•	•	•	•			•
Live Circuit Warning	•	•				•	•	•	•	•	•	•	•
Analogue Display	•	•	•	•	•	•							
Digital Display							•	•	•	•	•	•	•
Electronic Operation	•	•				•	•	•	•	•	•	•	•
Hand Crank Operation			•	•	•								
Auto Capacitive Circuit Discharge	•	•	•	•	•	•	•	•	•	•	•	•	•
Insulation Resistance	•	•	•	•	•	•	•	•	•	•	•	•	•
AC Voltage Measurement	•	•					•	•				•	
Polarization Index and Dielectric Ratio												•	