

BESANTEK Digital High Voltage Insulation Tester is designed to evaluate wires and cables for proper insulation tolerances.

Features

- Test insulation resistance up to 6TΩ.
- Short-circuit current up to 5mA
- Microprocessor controlled.
- 30 insulation test voltages :
500V, 1kV, 1.5kV, 2kV, 2.5kV, 3kV,
3.5kV, 4kV, 4.5kV, 5kV, 5.5kV, 6kV,
6.5kV, 7kV, 7.5kV, 8kV, 8.5kV, 9kV,
9.5kV, 10kV, 10.5kV, 11kV, 11.5kV, 12kV,
12.5kV, 13kV, 13.5kV, 14kV, 14.5kV, 15kV
- AC/DC voltmeter (600V).
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption ratio) indication.
- Auto-ranging on all insulation ranges.
- Backlight function.
- Bargraph indicates test voltage, rise and decay can be observed.
- Menu driven.
- Visual and audible warning if external voltage is present. ($\geq 30V_{ac}$ or $\geq 30V_{dc}$)
- Auto-hold function to freeze the reading.
- Overload protection.
- Adjustment for testing time (duration) :
1~30 minutes
- Auto-off.
- Calendar.
- Optical USB to RS-232 data transmission.
- 200 measurement results can be saved in the memory and recalled on the display.
- Safety standard : EN 61010-1 CAT IV 600V
EN 61010-2-030
EN 61326-1



BST-IT116



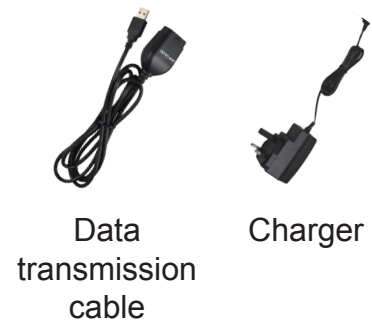
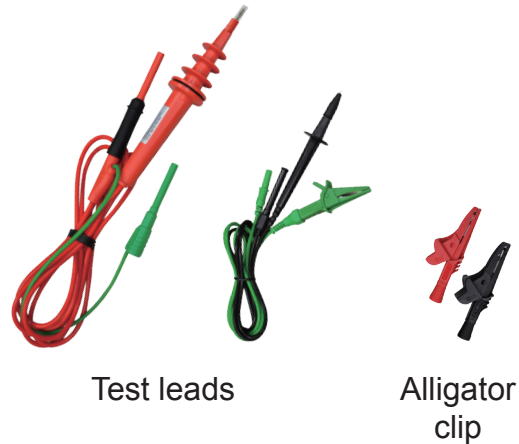
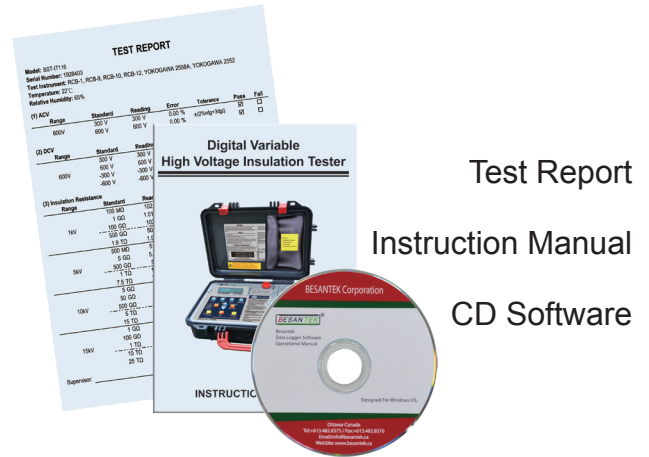
Data Communication Function

- Downloading saved data to a PC.
- Transferring and showing real-time data to a PC.
- 200 measurement results can be saved in the memory and recalled on the display.

Technical Specification

BST-IT116		
Test voltage	From 500Vdc to 15kVdc Adjustable in 500V steps	
Preset buttons	1kV, 5kV, 10kV, 15kV	
Insulation resistance	200GΩ / 0.5kV 200GΩ at 0.5kV ~ 6TΩ at 15kV	
Accuracy	1kV: 0~200GΩ 5kV: 0~1TΩ 10kV: 0~2TΩ 15kV: 0~3TΩ	±(5%rdg+5dgt)
	5kV: 1TΩ~2TΩ 10kV: 1TΩ~4TΩ 15kV: 1TΩ~6TΩ	±15%
Resolution	1GΩ : 0.001GΩ 10GΩ : 0.01GΩ 100GΩ : 0.1GΩ 1TΩ : 1GΩ 6TΩ : 10GΩ	
Short circuit current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	ACV : 30~600V (50/60Hz) DCV : 30~600V Accuracy : ±(2.0%rdg+3dgt) Resolution : 1V	
Current measurement	0.5nA ~ 0.55mA (Depending on the insulation resistance)	
Power source	Rechargeable battery	
Adapter	Input : 100-240Vac, 0.4A, 50-60Hz Output : 24Vdc, 0.62A	
Dimensions	430(L) x 324(W) x 127(D)mm	
Weight	Approx : 6.56kg	
Accessories	Instruction manual Test leads Data transmission cable Compact disk (CD) for PC interface Alligator clip Charger Test report	

Accessories



Ordering Information

- BST-IT116: Digital High Voltage Insulation Tester 15kV



Safety standard:

- EN 61010-1 CAT IV 600V, EN 61010-2-030, EN 61326-1