

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

## Features:

- 2 lines × 16 characters LCD.
- Microprocessor controlled.
- Tests insulation resistance up to 10TΩ.
- Four insulation test voltages: 500V, 1000V, 2500V and 5000V.
- AC/DC voltmeter.
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption Ratio) indication.
- Auto-ranging on all insulation ranges.
- Optical USB to RS-232 data transmission.
- Well isolated from contact.
- Well protected from surges.
- 2 built-in optical LEDs for data transfer.
- Visual and audio warning of external voltage presence ( $\geq 30V_{ac}$  or  $\geq 30V_{dc}$ ).
- Auto-hold function to freeze reading.
- Overload protection.
- Adjustable testing duration: 1~30 minutes.
- Internal memory for data storage.
- Displays testing duration for insulation measurement.
- Auto-off function.
- 200 measurement results can be saved in memory and recalled on display.
- Accessories: Instruction manual, test leads, data transmission cable, compact disk (CD) for PC interface and alligator clip.



## BST-IT706



## Data Communication Function:

- Data can be downloaded and saved to a PC.
- Data can also be transferred to a PC for realtime display.
- 200 measurement results can be saved in the memory and recalled on the display.

## Technical Specification:

BST-IT705		
Test Voltage	500V, 1000V, 2500V, 5000V	
Insulation Resistance	1TΩ/500V 2TΩ/1000V 5TΩ/2500V 10TΩ/5000V	
Accuracy	0~100GΩ/500V 0~200GΩ/1000V 0~500GΩ/2500V 0~1000GΩ/5000V	± (5.0%rdg + 5dgt)
	100G~1TΩ/500V 200G~2TΩ/1000V 500G~5TΩ/2500V 1000G~10TΩ/5000V	±12%rdg
Resolution	1000MΩ: 1MΩ 10GΩ: 0.01GΩ 100GΩ: 0.1GΩ 1TΩ: 1GΩ 10TΩ: 10GΩ	
Short Circuit Current	up to 5mA	
PI (Polarization Index)	√	
DAR (Dielectric Absorption Ratio)	√	
Voltmeter	Range: 30~600V AC, 30~600V DC Accuracy: ±(2.0%rdg + 3dgt) Resolution: 1V	
Current Measurement	0.5nA~0.55mA (depending on the insulation resistance)	
Power Source	1.5V "C" x 8 alkaline batteries	
Dimensions	330 (L) x 260 (W) x 160 (D) mm	
Weight	Approx. 4268g (battery included)	

## Accessories



Test Report  
Instruction Manual  
CD Software



Test Leads

Alligator Clip



Data Transmission Cable

## Ordering Information:

- BST-IT706: Digital High Voltage Insulation Tester 5kV.



**Safety Standard:**

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