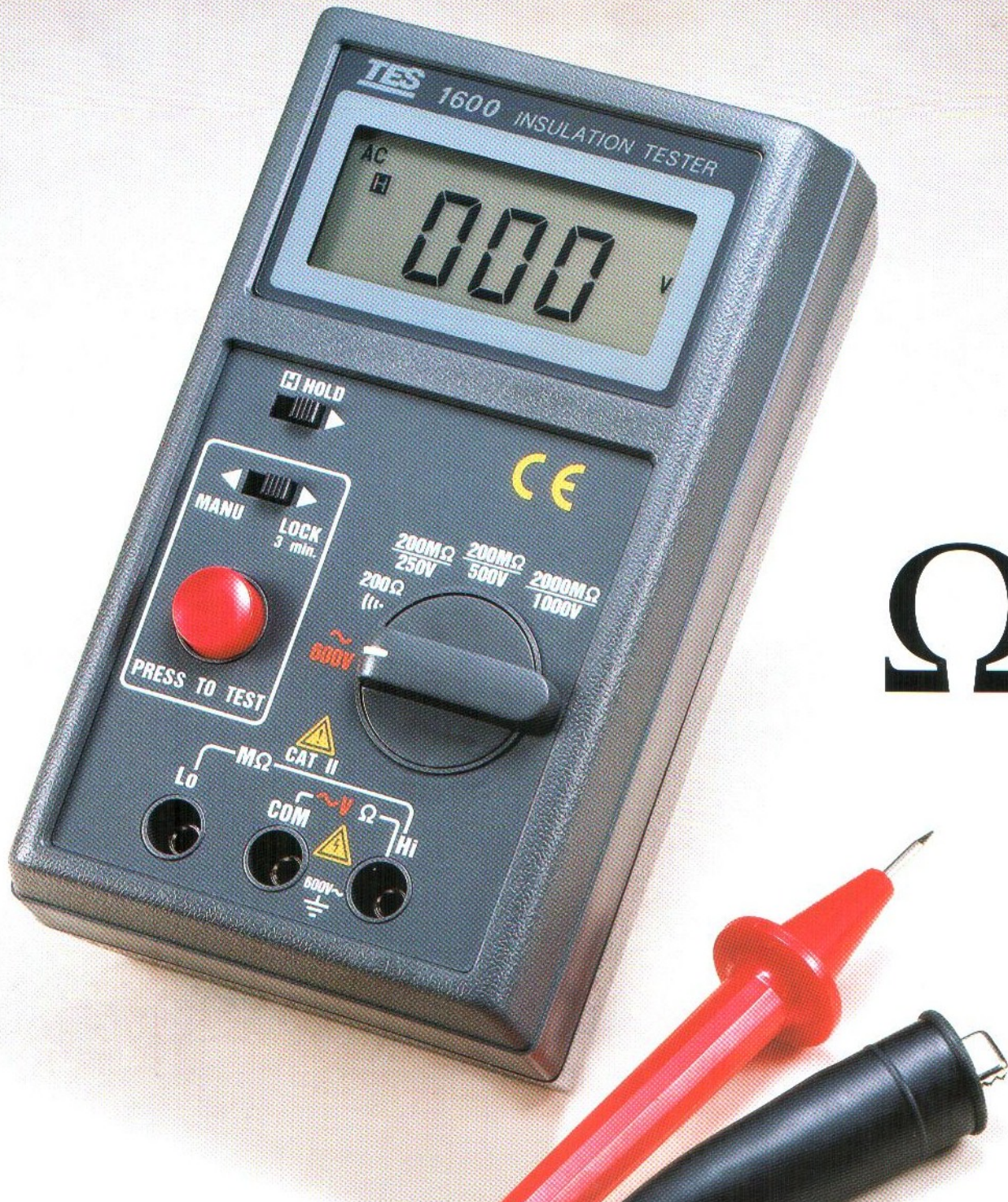


**TES**

Reliable in Quality

# TES-1600 Digital Insulation Tester

- 2000 MΩ / 1000 V, 200 MΩ / 500 V, 200 MΩ / 250 V
- Power lock for 3 minutes (Auto Power off)
- Data-Hold-Function / Continuity Beeper



Ω



# TES-1600 Digital Insulation Tester

## FEATURE:

- Digital readout easy to obtain by 0.65" LCD display
- Automatic unit & sign annunciator
- Rotary switch easy for range selection
- Power-lock switch (3 minutes) simplifies the measurement
- Continuity beeper
- Battery operated/Overload Protection
- Safety test leads
- 1mA test current

## GENERAL SPECIFICATIONS:

Display	3.5 digit 0.65" large LCD
Sampling rate (A/D)	2.5 time/sec
Zero adjustment	Automatically
Operating temp. & Storage Environment	0°C~40°C < 80% R.H. -10°C to 60°C < 70% R.H.
Power source	6 'AA' 1.5V batteries
Dimension	165(L)x100(W)x57(H) mm
Weight	500g
Accessories	Test leads, 6pcs. of battery, carrying case and manual

## MEG OHMS

Range	Resolution	Accuracy	Terminal Voltage	Test Current
200 MΩ/250V	0.1 MΩ	±(3% of rdg + 5dgts)	250V+10%	1mA at 250KΩ load
200 MΩ/500V	0.1 MΩ		500V+10%	1mA at 500KΩ load
2000 MΩ/1000V	1 MΩ		1000V+10%	1mA at 1 MΩ load

## OHMS

Range	Resolution	Accuracy	Max. Open Circuit Voltage	Overload Protection
200 Ω	0.1 Ω	± (1% of rdg + 2dgts)	3.3V	500V DC/AC

## Continuity Beeper ( ))) )

Range	Resolution	Operation Resistance	Max. Open Circuit Voltage	Overload Protection
200 Ω	0.1 Ω	Resistance < 100Ω	3.3V	500V DC/AC

## AC Voltage (40Hz~500Hz)

Range	Resolution	Accuracy	Input Impedance	Overload Protection
600 V	1 V	± (0.8% of rdg + 3dgts)	10 MΩ	750 Vrms

# TES-1601 Auto Ranging Insulation Tester



## FEATURES

- 4000M  $\Omega$  /1000V, 4000M  $\Omega$  /500V, 4000M  $\Omega$  /250V
- Power lock for 3 minutes  
(Auto power off)  
Auto-Zero adjustment  
Data-Hold-Function



## SPECIFICATION

### AC Voltage

<b>Range</b>	600V
<b>Resolution</b>	0.1V
<b>Accuracy</b>	1.5% rdg + 3 dgts
<b>Input Impedance</b>	4.5M $\Omega$
<b>Overload Protection</b>	750Vrms

### OHMS & Continuity Beeper

<b>Range</b>	40 $\Omega$
<b>Resolution</b>	0.1 $\Omega$
<b>Accuracy</b>	1% rdg + 5 dgts
<b>Max open circuit voltage</b>	12.8V
<b>Overload protection</b>	220Vrms

### MEG OHMS

<b>Range</b>	4000M $\Omega$ /250V, 4000M $\Omega$ /500V, 4000M $\Omega$ /1000V
<b>Resolution</b>	1K $\Omega$
<b>Accuracy</b>	3% rdg + 3 dgts
<b>Terminal Voltage</b>	250V ~ 1000V $\pm$ 2% ~ -0%
<b>Output short circuit current</b>	0.4mA/0.9mA/1.7mA max
<b>Operating/Storage Condition</b>	0 $^{\circ}$ C to 40 $^{\circ}$ C < 80% R.H. -10 $^{\circ}$ C to 60 $^{\circ}$ C < 70% R. H.

### General Specification

<b>Power Source</b>	8pcs "AA" 1.5V batteries
<b>Sampling Rate</b>	2.5 times/sec, Auto-Zero adjustment
<b>Size</b>	190mm(L)x140mm(W)x77mm(H)
<b>Weight</b>	900g
<b>Accessories</b>	Carrying Case, Test Lead, Battery & Instruction Manual

# TES-1604 AUTORANGING INSULATION TESTER RS-232 Window Version, Data Logger



## FEATURES

- Innovational logging feature (7000) to memorize all of measurements from the work place
- RS-232 interface with valued software
- 4,000M W /V Reding/10,000M W analog indication
- Backlight illumination
- 3-3/4 Digital LCD, 4000Count
- Auto Range for Mega Ohm range
- 50 segments Log Scaled Analog Display
- Easy to carry testing package
- Tests insulation at rated voltage into a 1mA load
- 200mA short circuit continuity current
- Meet VED0413
- Auto discharge



EN61010-1

CAT II pollution 2 1000V

CAT III pollution 2 600V



## SPECIFICATION

### AC Voltage

Range	Resolution	Accuracy
600V ACV	0.1Volt	1.5%rdg+3dgt (1V~600V)

### Continuity

Range	Resolution	Accuracy
40 Ohm (Ish>200mA )	0.01 W	1%rdg+30dgt

### Mega Ohm

Range	Resolution	Accuracy
4000M W /250V w/ autorange 4000M/400M/40M/4M	4000M W /250V, 1count/1K W	3%rdg+5Count (under 1G W )
4000M W /500V w/ autorange 4000M/400M/40M/4M	4000M W /500V, 1count/1K W	5%rdg+3Count (under 4G W )
4000M W /1000V w/ autorange 4000M/400M/40M/4M	4000M W /1000V, 1count/1K W	

### GENERAL SPECIFICATIONS

<b>Display</b>	80 x 50mm Big LCD penal with 50 segments analog display Max Reading 4000
<b>Over range Indication</b>	"OL" will be shown on the LCD penal when out of range measurement is made.
<b>Low Battery Indication</b>	The <b>-+</b> will be shown when the battery need to be changed

<b>Sampling Rate</b>	2.5 times/sec Digital Display 10 times/sec Bar Graph
<b>Power Source</b>	Eight 1.5Volt AA size Battery
<b>Operating Temperature and Humidity</b>	0 °C to 40 °C (32 °F to 104 °F ), below 80% RH
<b>Storage Temperature</b>	-10 °C to 60 °C ( 14 °F to 140 °F )
<b>Dimension</b>	200(L)x140(W)x95(H)mm
<b>Weight</b>	Approx. 900g (with battery)
<b>Accessories</b>	Test Lead, Battery, Instruction Manual, RS-232 interface, Software for Windows .