

## INSULATION TESTER

### HVIT 1t

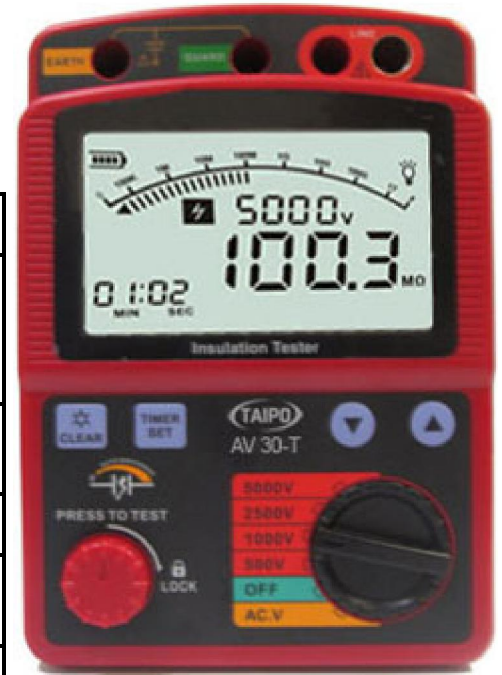
### High voltage insulation tester Specification

#### 1. Insulation resistance tester:

Rated voltage	500V	1000V	2500V	5000V
Test range	0.0~99.9MΩ 100~999MΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~1.99GΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~1.99GΩ 10.0~99.9GΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~9.99GΩ 10.0~99.9GΩ 100~1000GΩ
Open circuit voltage	DC 500V +30%, -0%	DC 1000V +20% -0%	DC 2500V +20% -0%	DC 5000V +20% -0%
Rated current	0.5MΩloading 1mA~1.2mA	1MΩ loading 1mA~1.2mA	2.5MΩ loading 1mA~1.2mA	
Short circuit current	Approx. 1.3mA			
Accuracy	±5%rdg±3dgt (0~99.9GΩ) ±20%rdg±3dgt (above 100GΩ)			

#### 2. Voltage tester :

	DV	AV
Measuring range	±30~±600V	30~600V (50/60Hz)
Resolution	1V	
Accuracy	±2%rdg±3dgt	



#### 3. Technology parameter :

Technology parameter	Technology index
Display	Max. 999 counts LCD display (1000 counts only at 1T is displayed)
Over range indication	OL mark appears on insulation resistance range. LO mark appears on voltage's range.
Auto- ranging	Range shifts to upper range: 1000 count Range shifts to lower range: 95 counts (merely on the insulation resistance range)
Sample rate	0.5~ 10 times/sec
Operable altitude	Less than 2000m (Indoor use)
Operation circumstance	Temperature 0~40C, humidity <= 85%
Storage circumstance	Temperature -20~ 60C, humidity <= 90%
Overload protection	Insulation resistance : AC 1200V/ 10s Voltage : AC 720V/ 10 s
Voltage resistance	AC8320 (50/60Hz)/ 5 second (between electrical circuit and enclosure)
Insulation resistance	1000M of more/ DC 1000V (between electrical circuit and enclosure)
Power supply	DC12V (8x1.5V LR14 battery)
Battery's life	Approx. 15 hours
Dimension	153x 96x 200mm
Weight	1032g (without batteries and test wires)

**HVIT 2500**

**High voltage insulation tester**



Testing Voltage	250V/500V/1000V/2500V
Testing Range	250V: 0.0 ~ 499.9 MΩ 500V: 0.0 ~ 999 MΩ 1000V: 0.0 ~ 1.99 GΩ 2500V: 0.0 ~ 19.9GΩ
Accuracy	5%rdg ± 5dgt
Short Circuit Current	1.4mA
DC/AC Testing	30~600V
Resolution	1.0 V
Overload Protection	AC 1200V/10sec
Withstand Voltage	AC 8320V/5sec
PI Polarization Index Test	✓
Maximum Display	9999
Auto Power Off	✓
Low Battery Indicator	✓
DAR Absorption Ratio	✓
Overload Alarm	✓
Time Setting	✓
Backlight Display	✓
Voltage Output Warning Buzzer	✓

**RCD 101**

**RCD tester**



Basic Parameters			
	Fault Set	Rated Operation Current	Time
RCD	X1/2	10mA/20mA/30mA/100mA/300mA/500mA	1000mS
	X1	10mA/20mA/30mA/100mA/300mA/500mA	1000mS
	X2	10mA/20mA/30mA/100mA/300mA	1000mS
	X5	10mA/20mA/30mA/100mA	200mS
	AUTO RAMP	10mA/20mA/30mA/100mA/300mA/500mA	300mS
Trip Current		+2% ~ 8%	
Trip Time		± (0.6%rdg ± 4dgt)	
Time Resolution		1mS	
Working Voltage		230 V (50Hz) ± 10% ~ 15% , (195 ~ 253V) 50Hz	
Withstand Voltage		3700V/1Minutes	
Special Function			
Maximum Display		1000	
Power		AC 220V AC plug directly use	
0°/180° Phase		Phase Switch Can Quickly Test Readings Are The Same	
UL Value 25/50		✓	
Wiring Detection		3 LED Light Indicate The State Line	
Overvoltage Tips		✓	
Low Battery Indication		✓	
DC Test		Publishing DC Voltage Test	