



### Characteristics

- 2.1 DIT 954 is a electron controlled minitype instrument, there into, the high voltage insulation resistance tester has three insulation resistance for voltage test. **safety standard IEC61010**
- 2.2 The design is up to the following safety standard: IEC 1010  
89/336/EEC(electromagnetism compatibility, Nov, 1992, EMC)  
P73/23/EEC(product safety regulation: Nov, 6<sup>th</sup>, 1979, low-voltage regulation: Feb,19th, 1973)
- 2.3 Automatically release voltage function:
- 2.4 Be used for the insulation resistance of all kinds of electron equipment and insulation material, such as transformer、 generator、 cable、 switch、 electric equipment and so on. Be used for the maintenance、 test and check of all the series of electric equipment.
- 2.5 Rated voltage variable  
DIT 954-- Rated voltage can be switched among 1000V, 2500V,5000V by knob switch.
- 2.6 High voltage indication  
There is the LED in the instrument(HV ON) indicating the high voltage work state.
- 2.7 Low battery indication.
- 2.8 Battery drive, removing the operation of hand-cranked generator.
- 2.9 3 1/2 digital display, reading clearly.
- 2.10 The measurement range for DIT 954 is 10MΩ~199.9GΩ.
- 2.11 Convenient operating and taking.
- 2.12 Strong carrying capability, output short circuit current is <2.0 mA.
- 2.13 Complete protecting circuitry, in case of voltage counterattack and output short circuit protection.
- 2.14 Can test AC Voltage 1V-750V, the frequency of AC Voltage is 40Hz-70Hz.
- 2.15 International fashion design, dustproof and damp proof, can be applied to outside operation.
- 2.16 Meter size : 170\*114\*64mm
- 2.17 Weight : 500g (Include battery )

### Technical specifications

Test condition: test temperature/humidity  
23 ± 5°C/45~75 %RH;

Low battery voltage indication;

Insulation resistance:≥500MΩ(1000V);

Voltage with stand :AC 2KV 50Hz 1minute;

Operation temperature and humidity:

0°C~40°C /Relative humidity 85% or less;

This manual is just applied to this instrument,  
our company is entitled to modify it.

Basic Function	Range	Accuracy
Output Voltage	1000V/2500V/5000V	± 10%
Output Current	≥100MΩ	
Short circuit current	<2.0mA	
Accuracy of Measurement	10MΩ—200MΩ	± (3% +5)
	200MΩ—10GΩ	± (5% +5)
	10GΩ—200GΩ	± (10% +5)
Measure Range	1000V:10MΩ—20GΩ	
	2500V: 10MΩ—20GΩ	
	5000V: 10MΩ—200GΩ	
ACV	700V	± (0.1% +6)