

HZJY-20K Insulation Resistance Test



Features

High-voltage insulation resistance tester, with 5 range: 500V, 1000V, 2500V, 5000V, 10000V, 15000V, 20000V, test up to 20TΩ, also manual voltage regulation function.

- Strict accordance with the safety standards for design
- Insulation resistance range 20TΩ @ 20 kv
- Short circuit current can be adjusted, maximum 5mA (Can be ordered as high as 10mA, short circuit current products).
- Automatic display polarization

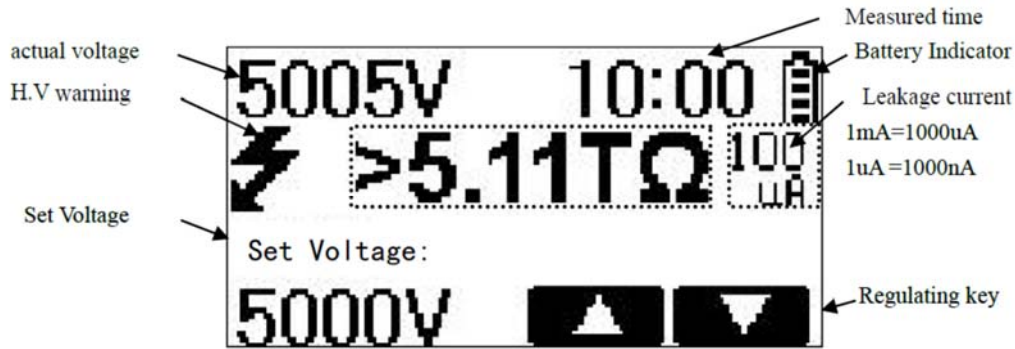
index (PI), induced electric absorption test values than (DAR), and can test the leakage current and capacitance.

- Anti-jamming performance is superior, the interference current reaches 2 mA, still ensure accuracy of test instruments.
- 2 methods for power: use of lithium ion batteries, battery life can be up to 4 hours (10000V @ 100MΩ).
- Insulation resistance simulation column.
- Digital filtering functions, external influence deviation display value causing mitigation point using filter function.
- Perfect protection function, and the spare fuse prompt functions.

Specifications

- Safety Standard
IEC 61010-1 CAT.IV 600V
IEC 61326 EMC specification: test, control and electrical equipment for testing
IEC60529 IP64 (Outer closed state)
- AC Power: 220V±10%, 50/60 HZ , 20 VA
- battery: 16.8V Lithium ion rechargeable battery
- Battery Life: 10000V@100M, 4 hour
- size (L x W x H) : 37cm x 27cm x 17cm
- weight: 3.6kg
- Test voltage accuracy: the nominal value 100% to 110%
- Voltage measurement accuracy: 5%+3V
- Current test range: 10mA
- current measure precision: 5%+0.2nA
- short-circuit current: 5mA
- Capacitance test range: 20uF
- Capacitance testing accuracy: 15%+0.03uF
- Insulation resistance testing range and accuracy (T:23±5°C , RH :45 – 75%)

	500 V	1000 V	2500 V	5000 V	10000 V	15000 V	20000 V
Unspecified	<1M	<1M	<1M	<1M	<1M	<1M	<1M
5%	1M-10G	1M-20G	1M-100G	1M-100G	1M-200G	100K-200G	100K-200G
20%	10G-100G	20G-200G	100G-1T	100G-1T	200G-2T	200G-2T	200G-2T
Unspecified	> 100G	> 100G	> 1T	> 1T	> 2T	> 2T	> 2T



Measured DAR:

1. Select more than 1 minute length measurement.
 2. Select the appropriate voltage and start.
 3. The instrument automatically record 15 s and 60 s resistance, and calculate the absorption than after 60 seconds.
- Absorption ratio calculation method: $DAR = R_{60} / R_{15}$;

Measured PI :

1. Select more than 10 minute length measurement.
 2. Select the appropriate voltage and start.
 3. The instrument automatically record 15S, 60S and 600S resistance, and calculate the polarization index after 600 seconds.
- Polarization index calculation method : $PI = R_{600} / R_{60}$;

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