

Wuhan HT2670 Insulation Resistance Tester



I. Introduction

HT2670 Insulation Resistance Tester consists of medium and large scale integrated circuit with high output power and high short-circuit current value features. The output voltage is up to four grades. The built-in battery served as power supply become high DC voltage by DC/DC transformation, which goes from E pole to L pole via the object being tested. By this way, it produces a current from pole E to pole L, which converted by I/V and computed by the divider. The value of insulation resistance will display on the LCD finally

II. Features

1. High output power, strong load ability, and strong anti-interference ability. The shell body is made of aldurul/high-strength aluminum alloy, equipped with potential protection ring and fourth-order active low pass filter; it can play an effective role in shielding external power frequency and strong electromagnetic field. For the measurement of capacitive specimen, since the short-circuit current is greater than 1.6mA, it's easy to rise the test voltage to the rating of output voltage. For the measurement of low resistance, it will not affect the test by using scaling method.
2. The meter is battery powered and the measure range is converted automatically. The easy-to-read panel and LCD display make measurement very convenient and fast.
3. The output short-circuit current of the meter can be measured immediately without estimation.

III. Parameters

Operating Conditions	Temperature	0°C~+45°C
	Relative humidity	≤85%
Output voltage grades	100V, 250V, 500V, 1000V	
Measuring range	0~19990MΩ	
Resolution	0.01MΩ, 0.1MΩ, 1.0MΩ, 10.0MΩ	
Relative error	0~2000MΩ≤±5%±2d	
	2000MΩ~19990MΩ≤10%±2d	
Voltage/Load	1000V/20MΩ	
Voltage drop	Approximately 10%	
Short-circuit current	> 1.6mA	
DC	8×1.5V(AA, R6) battery	
AC	220V/50Hz	
Power dissipation	quiescent power dissipation≤160mW; Maximum power≤2.5W	
Dimension	235×200×135mm ³	
Weight	< 1.4kg	

IV. Accessories

