

## Wuhan HT2533 Pointer Insulation Resistance Tester



### I. Introduction

With the rapid development of China's power industry, electrical equipment preventive experiment is an important part in protecting the safety operation of power system and maintenance. Insulation diagnosis is an important method to detect insulation defects or failure. Pointer insulation resistance tester is the special instrument to measure insulation resistance. JJG662-89 "insulation resistance meter (megger)" approved in May 1990 requires that insulation resistance meter is one of compulsory verification instruments. Nowadays the development trend of electrical equipment (such as transformers, generators, etc.) is that high capacity, high voltage, diversified structure and better seal. So insulation resistance meter (pointer) itself must have the characteristics such as large capacity, strong anti-interference ability, diversified measurement indexes, accurate measurement results, easy and fast measurement process, easy to carry and so on. The instrument produced by our company is equipped with ultra-thin taut suspension meter. It is an ideal tester to measure insulation resistance of these equipment such as transformer, instrument transformer, generator, HV motor, power capacitors, power cables, arrester, etc.

### II. Features

- 1.The instrument is used to do insulation test: when the voltage is 500V, the maximum tested value will up to 20GΩ; when the voltage is 1000V, the value will up to 40GΩ; when the voltage is 2500V, the value will up to 100GΩ.
- 2.When rated output voltage of HT2533 tester continuously load, the resistance can be as low as 4MΩ/8MΩ/20MΩ, which makes the instrument can accurately measure lower insulation resistance.
- 3.Automatic conversion range, dual-scale display, and LED display corresponding color, it is easy to read.
- 4.Equipped with ABS plastic casing using, the instrument has strong anti-interference. Portable design, compact structure, and attractive appearance
- 5.The application of ultra-thin taut suspension meter to the instrument makes it have strong shock resistance capability.
- 6.AC/DC dual-use, built-in rechargeable battery and smart charging module, the whole output power is high (C type).

7.It is an ideal insulation resistance tester to measure these equipments such as transformer, instrument transformer, generator, high voltage motor, power capacitor, power cable, arrester, etc.

### III. Parameters

Output voltage		500V DC	1000V DC	2500V DC
Temperature		23°C±5°C		
Accuracy	Insulation resistance	1MΩ~25GΩ ±5%	2MΩ~40GΩ ±5%	5MΩ~100GΩ ±5%
	Output voltage	4MΩ~25GΩ 0~+10%	8MΩ~40GΩ 0~+10%	25MΩ~100GΩ 0~+10%
HV short-circuit current		≥1mA		
Power supply		8 AA batteries(8 AA rechargeable batteries, external charger)		
Work environment		Temperature: -10°C~40°C Relative humidity: ≤85 %		
Storage environment		Temperature: -25°C~60°C Relative humidity: ≤90 %		
Insulation performance		When the voltage between circuit and shell body is 1000V DC, the maximum resistance is 2500MΩ.		
Withstand voltage properties		When the voltage between circuit and shell body is 2500V DC, withstand voltage time is 1 minute.		
Dimension		230×190×90mm (L×W×H)		
Weight		2kg		

### IV. Accessories



Host



Test Wire



Battery



Screwdriver



manual,report,certificate