

HT9920

Insulation Resistance Tester



OVERVIEW

HT9920 Insulation Resistance Tester is designed to insulation resistance of components and equipment. Using the constant voltage test method, its voltage output range is 25~1000V and the maximum output current is 1.8mA. HT9920 has contact abnormality detection and short circuit abnormality test function, the minimum test period is only 50mS.

FEATURES

- Adopting switching power supply principle, HT9920 has max constant current output 1.8mA and voltage output range 25~1000V,with step voltage of 1V
- High test speed, minimum test cycle only 50mS
- Unique anomaly detection function, the instrument can detect the test leads abnormality and the abnormal contact of the measured object, avoiding the open circuit misjudgment
- Short-circuit detection function effectively detect short-circuit conditions and avoid
- Direct application of high-voltage breakdown of defective products and to misjudgment
- Automatic discharge, the instrument will automatic discharge after the test completed. HT9920 adopts non-contact constant current discharge, fast, efficient and reliable
- Various interfaces are equipped, external I/O, analog, LAN ,RS232 interface
- Double-click trigger to prevent high-voltage electronic shock accidents caused by false triggers. Users can set the double-click action to trigger the test.
- Analog output. Analog output port of the instrument output test results. After each test is completed, output 0~4V analog voltage value corresponding to the test result. There are two types of voltage output, one is full range output and the other is single range output.

SPECIFICATION

Model	HT9920
Display	3.5 inch TFT-LCD display
Measurement Parameters	Insulation resistance
Measurement Range	0.1 ~ 9999MΩ (5 ranges)
Basic Accuracy	±2% rdg. ±5 dgt.
Measuring Voltage	DC 10~1000V 1.8mA
Measuring Speed	50ms(fast) 500ms(slow)
Connection Error Display	High voltage side open circuit display "ContHi"; low voltage side open circuit display "ContLo"; output open circuit display "ContHL"
Short Circuit Error Display	"SHORT"
Over Range Display	Range exceed lower limit display "UNDER.F"; range exceed upper limit display "OVER.F"
Discharge Current	12mA constant current discharge
Comparator	PASS/L.FAIL/U.FAIL
Data Storage	10 sets of panel setting data can be recorded
Trigger	IO trigger, internal trigger, manual trigger, bus trigger
I/O Type	PNP or NPN
Interface	External IO, analog, LAN,RS232
Power Supply	Voltage: 100V ~ 250V AC Frequency:50Hz/60Hz
Size & Weight	Size(L*W*D):325mm x 215mm x 96 mm. Weight:2kg
Accessories	HT9921 test clip,PB36 connector,HT9800 communication cable, power cord(Options available)