NEW product

AT 69210

MULTICHANNEL PARALLEL INSULATION RESISTANCE TESTER

10chs

5 "LCD DISPLAY
485 (W) * 129 (H) * 350 (D)
UNIT: mm
Weight: 8kg

- **5 "true color LCD touch screen**
- **Data is automatically saved at regular intervals after insertion of a USB flash drive**
- **All channels are measured in parallel or can be selected arbitrarily**
- **Contact check, short circuit detection function**



Power Supply AC 100V-240V 50/60Hz Power: 20VA

The AT69210 is fully parallel. In parallel mode, all channels start measurement at the same time. Each channel can be independently set the test voltage and range to meet the needs of different test objects. Built-in 1V resolution 10V~1000V voltage source, can be programmed output; The instrument has an insulation resistance accuracy of 2% and can measure up to 20GΩ. Measurement speed up to 30 t/s.

AT69210 has the function of contact inspection and short circuit detection. It has the functions of charging timing (0.1-60s), measuring timing (0.1-999.9.s), discharge timing (0.1-60s). 10 sets of Settings can be stored internally and 10 sets of Settings can be stored on an external USB disk. Built-in comparator. SCPI (Standard Command for Programmable Instrument) and Modbus RTU protocol are used to communicate with computers, PLC or WINCE devices to efficiently complete remote control and data acquisition functions.

MODEL	AT69210	
Measurement parameter	0.000M~20.00GΩ	
Basic accuracy	2%	
Number of channels	10-channels	
Test speed	■Auto range mode (close with poor contact) :Slow speed:3 t/s; Medium speed :7 t/s; Fast :19 t/s ■Manual range mode (close with poor contact) :Slow speed: 4 t/s; Medium speed: 8 t/s; Fast: 30 t/s ■Auto range mode (open with poor contact) :Slow speed:1.9 t/s; Medium speed:11 t/s; Fast :15 t/s ■Manual range mode (open with poor contact) :Slow speed: 4 t/s; Medium speed: 6 t/s; Fast: 13 t/s	
Range mode	Auto, Manual and Nominal ranges	
Short circuit detection	Way	Off/auto/preset time
	Preset time	10 ms ~ 1.00 s
	Automatic detection	Max. 500ms
	Short-circuit output voltage	≈3V
	Movement	Short circuit within set time: end measurement No short circuit within the set time: enter the normal measurement cycle
Contact inspection	Method	4-terminal
	Display	CC.HL: Both HIGH and LOW are in poor contact CC.H: The HIGH end is in poor contact CC.L: The LOW end is in poor contact
comparator	Set range	0 ~ 20GΩ
	Comparison result	OK: Passed NGLO: lower super NG HI: upper super
	Sonance	OK/NG/OFF
Trigger mode	Manually or remotely triggered	
File storage	Parameters are automatically or manually saved to memory, 10 file internal memory and 10 file USB file	
USB storage	Timed save or trigger save to USB disk, 20 files	
Communication interface	RS232, LAN, RS485 Interface	
Communication protocol	SCPI/ModBus(RTU)	
Attachments	Test wire (1 for each channel); ATL108 RS232 communication cable;	

• The instrument has a total of 10 channels, the number of channels can be arbitrarily selected

The AT69210 is fully parallel. In parallel operation mode, all channels of the instrument start measurement at the same time.

Each channel can be independently set the test voltage and range to meet the needs of different test objects.



High efficiency

The parallel measurement mode improves the test efficiency and is suitable for the application scenario of simultaneous testing of large quantities of tested parts.

Synchronous start

All channels begin testing simultaneously through a unified trigger signal.

Independent configuration

The test voltage and range of each channel can be set separately according to the requirements of the tested part to meet diverse test needs.

Independent judgment

Each channel independently determines the test result. If an error (such as short circuit, poor insulation, etc.) is detected in one channel, the test will automatically stop and enter the safe state, while the other channels continue to test.

• Resistance test accuracy

Rated voltage	Range	Display range	Accuracy	Rated voltage	Range	Display range	Accuracy	Rated voltage	Range	Display range	Accuracy
10V≤Vx < 100V	0	6k-600k	2%+5 words	100V≤Vx< 500V	0	60k-3M	2%+5 words	500V≤Vx< 1000V	0	300k-6M	2%+5 words
	1	40k-4M			1	400k-20M			1	2M-40M	
	2	200k-40M			2	2M-200M			2	10M-400M	
	3	2M-400M	5%+5 words		3	20M-2G	5%+5 words		3	100M-4G	5%+5 words
		400M-2G	25%+10 words			2G-10G	25%+10 words			4G-999G	25%+10 words

• Complete measurement cycle

