

Dielectric Withstand and Insulation Testing Instruments

STL2201 Series AC/DC Withstand Voltage and Insulation Tester

Key Features

- 240x64 dot-matrix graphic LCD display
- Rapid discharge and arc detection functions
- Human body protection function
- Features a built-in 8-channel matrix scanner for convenient use.
- Voltage ramp-up time, test duration, and voltage ramp-down time can be set arbitrarily. The waiting time for current judgment during DC withstand voltage testing can be adjusted to accommodate loads with different characteristics.
- 50 sets, 100 steps per set, 500 steps in total.
- Current baseline reset function
- All-new operating interface and user-friendly panel design.
- The instrument's operating program can be automatically upgraded via RS232C.

Application

- Automated Testing Systems
- Home Appliances
- Transformers and Motors
- Electrical Equipment
- Electric Heating Appliances
- Lighting Industry
- New Energy Vehicles
- Electronic Components
- Medical Equipment

Technical Specifications

Model	STL2201	STL2201S	STL2201B
8-channel matrix scanner	-----	Have	-----
Dielectric Withstand Test			
Output voltage	AC	0.05kV - 5.00kV ±(1.0% of reading + 10 V) (selectable 50 Hz or 60 Hz)	
	DC	0.05 kV - 6.00 kV ±(1.0% of reading + 10 V)	
Current test range	AC	0.001mA - 30mA	0.001mA - 20mA
	DC	0.1µA - 10mA	0.1µA - 5mA
Test accuracy	±(1%Reading + 5 characters)		
Discharge function	Automatic discharge after the test (DCW)		
Insulation resistance test			
Output voltage	0.05kV - 1.00kV ±(1.0% of reading + 2 V)		
Resistance measurement range	0.1MΩ - 50GΩ, (Current range: 10 nA - 10 mA)		
Resistance measurement accuracy	≥ 500V		
	1MΩ - 1GΩ ±(5% of reading + 5 digits)		
	1GΩ - 10GΩ ±(10% of reading + 5 digits)		
	10G - 50G ±(15% of reading + 5 digits) (STL2201S: N/A)		
	< 500V		
		0.1 M - 1 G ±(10% of reading + 5 digits)	
Discharge function	Automatic discharge after the test		
Arc detection			
Measurement range	AC	1mA - 15mA	
	DC	1mA - 10mA	1mA - 5mA
General Parameters			
Voltage rise time	0.1s - 999s		
Voltage dip duration	0.1s - 999s		
Voltage wait time	0.1s - 99.9s (DC only)		
Interface	RS232, USB, HANDLER, REMOTE I/O, SCAN, GPIB (Optional)		

Standard accessories

3-core power cord

- STL00004 High-voltage test probe
- STL00003B Withstand voltage test lead
- STL00003R Withstand voltage test lead
- STB66034 Serial cable



STL2201

Dimensions (mm): 340(W)×120(H)×438(D)

Net Weight : 18.5 kg



STL2201 / STL2201B

Dimensions (mm): 340(W)×120(H)×438(D)

Net Weight : 14.5 kg

Standard equipment	RS232 ✓	USB HOST ✓	USB DEVICE ✓	HANDLER ✓	PLC ✓
Standard equipment	GPIB		SCANNER		

Note: 1: Supports Modbus protocol.