



Model ST-3201

Digital Multimeter



Features

- Display: 3½ digit liquid crystal display (LCD) with max. reading of 1999.
- Polarity: Automatic, (-) negative polarity indication.
- Zero Adjustment: Automatic.
- Over Range Indication: Highest digit of (1) or (-1) is displayed.
- Low Battery Indication: The (BAT) is displayed when the battery voltage drops below the operating voltage.
- Measurement Rate: 3 measurements per second, nominal.
- Accuracy: Accuracy specifications at 23±5°C, less than 75% RH.

Specifications

DC Voltage (Input impedance: 10MΩ)

Ranges	Resolution	Accuracy	Over voltage Protection
200mV	100nV	±(0.5%rdg+1dgt)	DC 500V
2V	1mV		AC 350V
20V	10mV		
200V	100mV	±(0.5%rdg+1dgt)	DC 1200V
1000V	1V		AC 800V

AC Voltage (Input impedance: 10MΩ)

Ranges	Resolution	Accuracy 45 Hz to 400 Hz	Over voltage Protection
200 V	100 mV	±(1.0%rdg+4dgt)	DC 1200V
750V	1V	±(1.5%rdg+4dgt)	AC 800V

DC Current (Overload Protection 0.8A(250V) fast blow fuse)

Ranges	Resolution	Accuracy	Over voltage Protection
200μA	100nA		
2mA	1μA	±(1.0%rdg+1dgt)	325mV max
20mA	10μA		
200mA	100μA		
10A	10mA	± (2.0%rdg+3dgt)	700mV max

Resistance

Ranges	Resolution	Accuracy	Max test current	Max open circuit voltage
200Ω	0.1Ω	±(1.0%rdg+3dgt)	3 mA	3.2V
2kΩ	1Ω	±(0.8%rdg+1dgt)	250 μA	0.3V
200kΩ	10Ω		50 μA	
200kΩ	100Ω		5 μA	
2MΩ	1kΩ		500 nA	
20MΩ	10kΩ	±(3.0%rdg+1dgt)	50 nA	0.3V




hFE Test

Base DC Current	Vce	hFE
10μA	2.8 ± 0.4V	1000

Diode

Test Current	Test Voltage
3.0 ± 0.6mA	3.2V Max.

BATT voltage

Range	Load
1.5V 	10Ω
9V 	900Ω
1.5V 	4kΩ

General

Operating temperature: 0°C to ±50°C, 0-70% RH.
 Storage temperature: -20°C to +60°C, 0-80% RH, with battery removed.
 Dimensions: 128(L)×72(W)×33(D)mm.
 Weight: Approx. 183g
 Power source: Single, 006P 9 volt battery