

Digital Multimeter



ST-3201

ST-3501

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.
- **Operating Temperature:** 0°C to ±50°C, 0-70% RH.
- **Storage Temperature:** -20°C to +60°C, 0-80% RH, with battery removed.
- **Accuracy:** Accuracy specifications at 23 ±5°C, less than 75% RH.
- **Power:** Single, 006P 9 volt battery
- **Dimensions:** 128(L)×72(W)×33(D)mm.
- **Weight:** Apprx.200g(ST-3501), 183G(ST-3201)

SPECIFICATIONS

DC Voltage :

Range	Resolution	Accuracy	Over voltage Protection
200mV	100nV	±(0.5%rdg+1dgt)	DC500V
2V	1mV		AC350V
20V	10mV		DC1200V
200V	100mV	±(0.5%rdg+1dgt)	AC800V
1000V	1V		

Input impedance: 10MΩ

AC Voltage :

Model	Range	Resolution	Accuracy	Over voltage Protection
3501	200mV	100uV	45Hz to 400Hz ±(1.2%rdg+4dgt)	DC500V
	2V	1mV		AC350V
	20V	10mV		DC1200V
	200V	100mV		AC800V
	1000V	1V		
3201	750V	1V	±(1.5%rdg+4dgt)	

Input impedance: 10MΩ(3501)

DC Current :

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

Overload Protection 0.8A (250V) fast blow fuse

AC Current(3501) :

Range	Resolution	Accuracy 45Hz to 400Hz	Over voltage Protection
200uA	100nA	±(1.2%rdg+1dgt)	325mV max
2mA	1uA		
20mA	10uA		
200mA	100uA	±(2.0%rdg+3dgt)	700mV max
10A	10mA		

Overload Protection 0.8A (250V) fast blow fuse

Resistance :

Range	Resolution	Accuracy	Max Test Current	Max Open Circuit Voltage
200Ω	0.1Ω	±(1.0%rdg+3dgt)	3mA	3.2V
2KΩ	1Ω	±(0.8%rdg+1dgt)	250uA	0.3V
20KΩ	10Ω		50uA	
200KΩ	100Ω		5uA	
2MΩ	1KΩ		500nA	
20MΩ	10KΩ	±(3.0%rdg+1dgt)	50nA	

Continuity (ST-6501) :

Range	Resolution	Accuracy	Max Test Current	Max Open Circuit Voltage
200Ω	0.1Ω	Built Buzzer sounds when resistance is less then 80Ω	1.5mA	3.2V

Capacitance (3501):

Range	Resolution	Accuracy	Over voltage Protection
2000PF	1pF	±(3%rdg+10dgt)	500mV 400Hz
20nF	10pF		
200nF	100pF		
2uF	1nF		
20uF	10nF		

Frequency :

HFE Test	B	ATT	TEST(3201)
Base DC Current	10uA	Range	Load
Vce 2	.8±0.4 V		
HFE 0	to 1000	1.5V	10Ω
Diode	9	V	900Ω
Test Current	1.0 ±0.6mA		
Test Voltage 3	.2Max 1	.5V	4Ω