

Digital Multimeter



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:** Appro.200g

SPECIFICATIONS

DC Voltage :

Range	Resolution	Accuracy	Over voltage Protection
200mV	100nV		DC500V AC350V
2V	1mV		
20V	10mV	±(0.5%rdg+1dgt)	
200V	100mV		DC1200V 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 AC350V
	2V	1mV		
	20V	10mV		
	200V	100mV		
	1000V	1V		DC1200V AC800V
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		
10A	10mA	±(2.0%rdg+3dgt)	700mV max

Overload Protection 0.8A (250V) fast blow fuse

AC Current:

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

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) ±(0.8%rdg+1dgt)	3mA	3.2V 250uA 50uA 5uA 500nA 0.3V
2KΩ	1Ω		250uA	
20KΩ	10Ω		50uA	
200KΩ	100Ω		5uA	
2MΩ	1KΩ		500nA	
20MΩ	10KΩ	±(3.0%rdg+1dgt)	50nA	

Capacitance:

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
Base DC Current	10uA	Range
Vce 2	.8±0.4 V	
HFE 0	to 1000	1.5V
Diode	9	V
Test Current	1.0 ±0.6mA	
Test Voltage 3	.2Max 1	.5V