

DIGITAL MULTIMETER

SEW



ST-3201

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 ~ 50°C, 70% R. H.
- Storage Temperature : -20°C ~ 60°C, 80% R. H.
- Accuracy : Accuracy specifications at 23 ± 5°C, less than 75% R. H.
- Power : Single, 006P 9 volt battery
- Dimensions : 128(L) × 72(W) × 33(D) mm.
- Weight : Approx. 183g

SPECIFICATIONS

DC Voltage

Ranges	Resolution	Accuracy	Over voltage protection
200 mV	100 µV		DC 500V
2 V	1 mV		AC 350V
20 V	10 mV	±(0.5%rdg+1dgt)	DC 1200V
200 V	100 mV		AC 800V
1000 V	1 V		
• Input impedance : 10MΩ			

AC Voltage

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

DC Current

Ranges	Resolution	Accuracy	Over voltage protection
200 µA	100 nA		
2 mA	1 µA		
20 mA	10 µA	±(1.0%rdg+1dgt)	325mV max
200 mA	100 µA		
10 A	10 mA	±(2.0%rdg+3dgt)	700mV max
• Overload Protection 0.8A/250V fast blow fuse			

Resistance

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

Frequency

- **HFE test**
 - Base DC current 10uA
 - Vce 2.8 ± 0.4V
 - HFE 0 to 1000
- **Diode**
 - Test current 1.0 ± 0.6mA
 - Test voltage 3.2V max.
- **BATT voltage**
 - Range Load
 - 1.5V 10Ω
 - 9V 900Ω
 - 1.5V 4kΩ