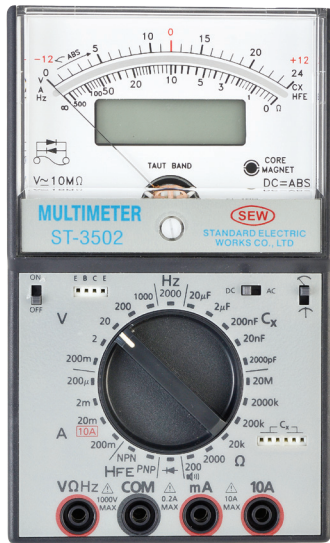


Analogue+Digital Multimeter



ST-3502

FEATURES

- 3½ digit, high contrast LCD, with a maximum display of 1999.
- Automatic polarity indication, zero adjust.
- Low battery (BAT) indication.
- Over range indication: highest digit of (1) or (-1).

ANALOGUE DISPLAY

- Large 90° wide and 84mm long mirror scale. (adapted to digital, analogue maximum indication 2400).
- Peak hold mode.
- Shock and vibration resistant TAUT BAND movement.
- Switch selection normal (left hand side) zero or center (galvo-mode) zero. Polarity + or -, pointer turn to right hand side, avoid opposite direction.
- Centre zero and ohm zero : automatic
- Dimensions: 167(L) × 102(W) × 39(D)mm

SPECIFICATIONS

DC Voltage :

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
200mV	240mV	100µV		DC500V
2V	2.4V	1mV		AC350V
20V	24V	10mV	±(0.5%rdg+5dgt)	±2%F.S.
200V	240V	100mV		DC1200V
1000V	1000V	1V	±(1.5%rdg+5dgt)	AC800V

• Input impedance : 10MΩ

AC Voltage :

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
200mV	240mV	100µV		DC500V
2V	2.4V	1mV		AC350V
20V	24V	10mV	±(1%rdg+5dgt)	3%F.S.
200V	240V	100mV		DC1200V
1000V	750V	1V	±(1.5%rdg+5dgt)	AC800V

• Input impedance : 10MΩ

DC Current :

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
200uA	240uA	100nA		
2mA	2.4mA	1µA		
20mA	24mA	10µA	±(1%rdg+5dgt)	±3%F.S.
200mA	240mA	100µA		800mA
10A	10A	10mA	±(2%rdg+3dgt)	10A

AC Current :

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
200uA	240uA	100nA		
2mA	2.4mA	1µA		
20mA	24mA	10µA	±(1%rdg+5dgt)	±3%F.S.
200mA	240mA	100µA		800mA
10A	10A	10mA	±(2%rdg+3dgt)	10A

Resistance:

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
200Ω	5kΩ	100mΩ		
2k	50kΩ	1mΩ		±4%arc
20k	500kΩ	10Ω	±(1%rdg+5dgt)	-10Ω
200k	5MΩ	100Ω		50V DC
2000k	50MΩ	1kΩ		±4%arc
20M	500MΩ	10k	±(1.5%rdg+5dgt)	

Capacitance:

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
2000pF	2400pF	1pF		
20nF	24nF	10pF		
200nF	240nF	100pF	±(3%rdg+10dgt)	±5%F.S.
2uF	2.4nF	1nF		50mV
20uF	24uF	10nF		400Hz

Instant Continuity:

Ranges	Analogue	Resolution	Continuity	Protection
	Maximum <td>Digital <td>Indication</td> <td></td> </td>	Digital <td>Indication</td> <td></td>	Indication	
200Ω	5kΩ	100mΩ	Built Buzzer sounds when Resistance is less than 40Ω	3.2V MAX

Frequency:

Ranges	Analogue	Resolution	Accuracy	Protection
	Maximum	Digital	Digital	
2000Hz	2400Hz	1Hz	±(2%rdg+3dgt)	±3%F.S.

Diode Test

Test Current 3.0 ± 0.6mA
Test Voltage 3.2 Max.

HFE Test

Base DC Current 10A
Vce 2.8 ± 0.4V
HFE 1000