

Analogue+Digital Multimeter



ST-3502

FEATURES

- 3½ digit, high contrast LCD, with a maximum display of 1999
- Automatic polarity indication, zero adjustment
- Low battery (BAT) indication
- Over range indication: highest digit of (1) or (-1)
- EN 61010-1 CAT III 600V,
EN 61010-2-030 EN 61326-1

ANALOGUE DISPLAY

- Large 90° wide and 84mm long mirror scale. (adapted to digital, analogue maximum indication 2400)
- Shock and vibration resistant TAUT BAND movement
- Pointer can be selected to either left-hand zero (normal mode) or center zero (galvo-mode)
- In galvo-mode pointer deflects right to indicate positive polarity and left to indicate negative polarity
- Automatic center zero and ohm zero
- Dimensions: 175(L) × 109(W) × 44(D)mm

SPECIFICATIONS

DC Voltage

Range	Analogue Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analogue	
200mV	240mV	100µV			DC500V
2V	2.4V	1mV			AC350V
20V	24V	10mV	±(1%rdg+1dgt)	±3%F.S.	DC1200V
200V	240V	100mV			AC800V
600V	600V	1V			

• Input impedance: 10MΩ

AC Voltage

Range	Analogue Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analogue	
200mV	240mV	100µV			DC500V
2V	2.4V	1mV			AC350V
20V	24V	10mV	±(1%rdg+5dgt)	±3%F.S.	DC1200V
200V	240V	100mV			AC800V
600V	600V	1V	±(1.5%rdg+5dgt)		

• Input impedance: 10MΩ

DC Current

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

AC Current

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

Resistance

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

Capacitance

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

Instant Continuity

Range	Analogue Maximum	Resolution Digital	Continuity Indication	Open Voltage
200Ω	5kΩ	100mΩ	Built Buzzer sounds when Resistance is less than 40Ω	3.2V MAX

Frequency

Range	Analogue Maximum	Resolution Digital	Accuracy		Test Voltage
			Digital	Analogue	
2000Hz	2400Hz	1Hz	±(2%rdg+3dgt)	±3%F.S.	350Vrms

Diode Test

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

hFE Test

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