

## 指針+數位三用電表

### ANALOG+DIGITAL MULTIMETER



## ST-3502

### 數位指示

- 3½位，最大顯示1999
- 正負極性自動指示
- 電池電量不足顯示
- 過載保護：(1)或(-1)

### 指針指示

- 刻度板有反射鏡設計，可方便識讀，並減低視差的影響
- 採用高品質吊線式防震表頭
- 零位選擇視實際需要有二種選擇：左邊零位和中間零位
- 極性的指示會在顯示幕上顯示
- 量測ohm，測試線短路時，零位自動到右邊

外形尺寸：102(長) x 167(寬) x 39(高)公厘

重量：約360公克(含電池)

使用電池：9V(006P, 6F22)乾電池1個

### 規格

- 交流電壓(AC V)  
200mV/2/20/200/750V  
數位：±(1%讀值+5位數)  
指針：±3%滿刻度
- 直流電壓(DC V)  
200mV/2/20/200/1000V  
數位：±(0.5%讀值+5位數)  
指針：±2%滿刻度
- 交流電流(AC A)  
200uA/2mA/20mA/200mA-10A  
數位：±(1%讀值+5位數)-±(2%讀值+3位數)  
指針：±3%滿刻度
- 直流電流(DC A)  
200uA/2mA/20mA/200mA-10A  
數位：±(1%讀值+5位數)-±(2%讀值+3位數)  
指針：±3%滿刻度
- 電阻  
200Ω/2K/20K/200K/2000kΩ-20MΩ  
數位：±(1%讀值+5位數)-±(1.5%讀值+5位數)  
指針：±4%刻度長
- 電容  
2000pF/20nF/200nF/2uF/20uF  
數位：±(3%讀值+10位數)  
指針：±5%滿刻度
- 導通測試  
Ω值約低於15Ω時，蜂鳴器響應
- 頻率  
0~2000Hz  
數位：±(2%讀值+3位數)  
指針：±3%滿刻度
- 二極體量測  
測試電流：3.0±0.6mA  
測試電壓：最大3.2V
- 電晶體量測  
DC最大電流：10A  
電壓：2.8±0.4V  
最大參數：1000

## ANALOG + DIGITAL MULTIMETER



### ST-3502

### FEATURES

#### DIGITAL DISPLAY

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

#### ANALOG DISPLAY

- Large 90° wide and 84mm long mirror scale. (adapted to digital, analog maximum indication 2400).
- 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.
- Center zero and ohm zero: automatic
- Dimensions: 102(L) x 167(W) x 39(D)mm

### SPECIFICATIONS

#### DC Volts

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200mV	240mV	100uV	±(0.5%rdg+dgt)	±2%FSD	DC500V AC350V
V	2.4V	1mV			
2V	24V	10mV			
20V	240V	100mV			DC1200V AC800V
200V	1000V	1V	±(1.5%rdg+5dgt)		

Input impedance: 10MΩ

#### AC Volts

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
200mV	240mV	100uV	±(1%rdg+5dgt)	±3%FSD	DC500V AC350V
V	2.4V	1mV			
2V	24V	10mV			
20V	240V	100mV			DC1200V AC800V
200V	750V	1V	±(1.5%rdg+5dgt)		

Input impedance: 10MΩ

#### DC Current

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

#### AC Current

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

#### Resistance

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

#### Capacitance

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

#### Instant Continuity

Range	Analog Maximum	Resolution Digital	Continuity Indication	Protection
200Ω	5KΩ	100mΩ	Built Buzzer sounds when Resistance is less than 40Ω	3.2V MAX

#### Frequency

Range	Analog Maximum	Resolution Digital	Accuracy		Protection
			Digital	Analog	
2000Hz	2400Hz	1Hz	±(2%rdg+3dgt)	±3%FSD	350Vrms

#### Diode Test

Test Current 3.0 ±0.6mA  
Test Voltage 3.2Max

#### HFE Test

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

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