

YF-3220 數位三用電錶

- 3½位數,最大顯示 2000。
- 最大值鎖定 AC/DC 切換開關。
- 電源切換開關/資料鎖定。
- 低電池顯示:當液晶螢幕顯示"BAT"表示需要更換電池。
- 符合安規,安全性高。
- 交流電壓:200mV,2V,20V,200V,750V
- 率:2K,20K,200KHZ
- 直流電壓:200mV,2V,20V,200V,1000V
- 直流電流:200μA,2mA,20mA,200mA,10A
- 交流電流:200μA,2mA,20mA,200mA,10A
- 歐姆:200Ω,2KΩ,20KΩ,200KΩ,2MΩ,20MΩ
- 頻率:2KHz,20KHz,200KHz,2MHz,10MHz
- 二極體測量/電晶體測量,邏輯(TTL,CMOS)
- 電容:2nF,20nF,200nF,2μF,20μF
- 電池測量:1.5V,9V
- 尺寸:189*82*38mm



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Multimeters

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

YF-3220 Multimeter

TENMARS



DISPLAY

- 3 1/2 digits LCD with maximum reading of 2000, plus decimal point,
- unit symbol indication. Polarity Indication: Automatic polarity,
- “-” display for negative input. Overload Indication: LCD will show “OL”
- in the up left position. Low Battery Indication: Replace battery
- as LCD display “BAT”.

FUNCTIONS

- IEC 1010-1 CAT III 1000V
- Function keys: D-H, MAX
- Test ranges: ACV, DCV, DCA, ACA, Ω , Diode, Transistor, Frequency, Continuity, Logic Capacitance, Battery

SAMPLING SPEED

- Sampling Rate: 2.5 times per second for digital display.

SPECIFICATIONS

- Accuracy: ($\dots\%$ rdg + $\dots\dots$ dgt) at 23°C \pm 5°C, below 80%RH.

ACA

| Range | Resolution | Accuracy 40HZ-500HZ | Voltage Burden | Overload Protection |
|-------|------------|------------------------|----------------|---------------------|
| 200uA | 100nA | \pm (1.5%+4) | <0.7V | 0.5A/250V Fuse |
| 2mA | 1uA | | | |
| 20mA | 10uA | | | |
| 200mA | 100uA | | | |
| 10A | 10mA | \pm (2.5%+4)/60sec | <0.3V | 10A/250V Fuse |

DCA

| Range | Resolution | Accuracy | Voltage Burden | Overload Protection |
|-------|------------|----------------------|----------------|---------------------|
| 200uA | 100nA | \pm (1.2%+1) | <0.7V | 0.5A/250V Fuse |
| 2mA | 1uA | | | |
| 20mA | 10uA | | | |
| 200mA | 100uA | | | |
| 10A | 10mA | \pm (2.0%+3)/60sec | <0.3V | 10A/250V Fuse |

CONTINUITY

| Range | Resolution | Sound Level | Open Voltage | Overload Protection |
|-------|--------------|-------------------|--------------|---------------------|
|) | 0.1 Ω | Below 80 Ω | Max 3.2V | AC/DC 500V rms |

FRQUENCY (Auto)

| Range | Resolution | Accuracy | Max. Sensitivity | Overload Protection |
|--------|------------|----------------|--|---------------------|
| 2KHz | 1Hz | \pm (0.8%+3) | 10KHz ~ 1MHz 2V ms 1MHz ~ 10MHz 5V ms | DC/AC 500V rms |
| 20KHz | 10Hz | | | |
| 200KHz | 100Hz | | | |
| 2MHz | 1KHz | | | |
| 10MHz | 10KHz | | | |

DIODE TEST

| Range | Resolution | Measuring Voltage | Measuring Current | Overload Protection |
|-------|------------|-------------------|-------------------|---------------------|
| → | 1mV | 3.2V max | 1.0mA | AC/DC 500Vrms |

Transistor hFE TEST

| Range | Measurement Range | Measuring Voltage | Measuring Current | Overload Protection |
|------------|-------------------|-------------------|-------------------|---------------------|
| NPN PNP | 0 - 1000 | <3.2V | IB \approx 10uA | |

CAPACITANCE

| Range | Resolution | Accuracy | Measuring Frequency | Overload Protection |
|------------|------------|---------------|---------------------|---------------------|
| 2nF | 1pF | \pm (3%+10) | \approx 400Hz | 0.5A/250V Fuse |
| 20nF | 10pF | | | |
| 2 μ F | 1nF | | | |
| 20 μ F | 10nF | | | |

LOGIC.TTL

| Range | Input Voltage | Logic Level | Min. detect impulse | Max output frequency | Overload protection |
|-------|---------------|------------------------------------|---------------------|----------------------|---------------------|
| TTL | DC5V | 1 2.8+0.8V' \blacktriangle ' | 25 nS | 20 MHz | 500V rms |
| | | 0 0.8+0.5V' \blacktriangledown ' | | | |
| CMOS | >DC5V | 1 4.0+1.0V' \blacktriangle ' | | | |
| | <DC10V | 0 2.0+0.5V' \blacktriangledown ' | | | |

BATTERY TEST

| Range | Resolution | Load Current | Load Resistance |
|-------|------------|-----------------|-------------------------|
| 1.5V | 1mV | \approx 150mA | \approx 10 Ω |
| 9V | 10mV | \approx 6mA | \approx 1.5K Ω |

DCV

| Range | Resolution | Accuracy | Input Impedance | Overload Protection |
|-------|------------|----------------|-----------------|-----------------------|
| 200mV | 100uV | \pm (0.5%+1) | 10M Ω | DC1000V AC750V rms |
| 2V | 1mV | | | |
| 20V | 10mV | \pm (0.8%+1) | | |
| 200V | 100mV | | | |
| 1000V | 1V | | | |

ACV

| Range | Resolution | Accuracy 40HZ-500HZ | Input Impedance | Overload Protection |
|-------|------------|------------------------|-----------------|-----------------------|
| 200mV | 100uV | \pm (1.2%+4) | 10M Ω | DC1000V AC750V rms |
| 2V | 1mV | | | |
| 20V | 10mV | | | |
| 200V | 100mV | | | |
| 750V | 1V | \pm (1.5%+4) | | |

RESISTANCE

| Range | Resolution | Accuracy | Open-circuit Voltage | Overload Protection |
|---------------|--------------|----------------|----------------------|---------------------|
| 200 Ω | 0.1 Ω | \pm (1.2%+4) | MAX 3.2V | DC/AC 500V rms |
| 2K Ω | 1 Ω | \pm (1.0%+2) | | |
| 20K Ω | 10 Ω | \pm (2%+5) | >0.3V | |
| 200K Ω | 100 Ω | | | |
| 2M Ω | 1K Ω | | | |
| 20M Ω | 10K Ω | | | |

ACCESSORIES

- Instruction manual
- Test leads
- 9V Battery x 1 pc

POWER SUPPLY

- Battery type: 9V NEDA 1604 IEC 6F22 JIS 006P battery x 1 pc.
- Battery Life: about 100 hours.

DIMENSION

- Size: 186x86x39mm (LxWxH)
- Weight: about 500g. (including battery)