

YF-78 Digital LCR Multimeter

is designed and built according to the BS EN 61010-1 CAT III. Probe Kit comply with IEC 1010-2-31.



DISPLAY

- 3½ digits LCD with maximum reading of 1999
- Overload indication: " OL "
- Low battery indication: " BAT "

FUNCTIONS

- Function keys: ON/OFF, MAX., DC/AC.
- Test ranges: ACV, ACA, DCV, DCA, Ω, Diode, Transistor, Continuity, Frequency, AC/DC10A, Inductance(H), Capacitance

SAMPLING SPEED

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

ACCESSORIES

- User's manual
- Test leads
- 9V battery x 1pc
- Holster

POWER SUPPLY

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

DIMENSION

- Size: 186 x 86 x 39mm (L x W x H)
- Weight: About 390g (including battery)

SPECIFICATIONS

	Range	Resolution	Accuracy 40Hz~500Hz	Input impedance	Overload protection			
ACV	200mV	100µV	± (1.2%+4)	10MΩ	DC 1000V AC 750V rms			
	2V	1mV						
	20V	10mV						
	200V	100mV						
	750V	1V	± (1.5%+4)					
	Range	Resolution	Accuracy 40Hz~500Hz	Voltage burden	Overload protection			
ACA	200µA	100nA	± (1.5%+3)	<0.7V	0.5A/250V Fuse			
	20mA	1µA						
	200mA	100µA						
	10A	10mA	± (2.5%+3)/60sec.					
	Range	Resolution	Accuracy	Input impedance	Overload protection			
DCV	200mV	100µV	± (0.5%+1)	10MΩ	DC 1000V AC 750V rms			
	2V	1mV	± (0.5%+3)					
	20V	10mV						
	200V	100mV						
	1000V	1V						
	Range	Resolution	Accuracy	Voltage burden	Overload protection			
DCA	200µA	100nA	± (1.2%+2)	<0.7V	0.5A/250V Fuse			
	2mA	1µA						
	20mA	10µA						
	200mA	100µA						
	10A	10mA	± (2.5%+2)/60sec.					
	Range	Resolution	Accuracy	Open-circuit voltage	Overload protection			
Resistance	200Ω	0.1Ω	± (1.2%+4)	Max 3.3V	DC/AC 500V rms			
	2KΩ	1Ω	± (1.0%+2)	>0.3V				
	20KΩ	10Ω						
	200KΩ	100Ω						
	2MΩ	1KΩ	± (2%+5)					
	20MΩ	10KΩ						
	Range	Resolution	Accuracy	Max. sensitivity	Overload protection			
Frequency test (Auto ranging)	2KHz	1Hz	± (0.8%+3)	Lo:500mV rms 10K-1MHz 5V rms 1MHz-10MHz Hi:2V rms 10-100KHz	DC/AC 350V rms			
	20KHz	10Hz						
	200KHz	100Hz						
	2MHz	1KHz						
	10MHz	10KHz						
	Range	Resolution	Accuracy	Measurement frequency	Overload protection			
Capacitance test	2nF	1pF	± (5%+10)	÷ 200Hz 1.5 sec.	0.5A/250V Fuse			
	20nF	10pF						
	2µF	1nF						
	20µF	10nF						
	2000µF	1µF						
	Range	Resolution	Test current	Open-circuit voltage	Overload protection			
Diode test	Diode	1mV	0.7mA	3.3Vmax.	AC/DC 500V rms			
Transistor hFE test	Range	Measurement range	Measuring voltage	Measuring current	Overload protection			
	NPN PNP	0-1000	<3.2V	IB = 0.7mA	---			
	Range	Resolution	Sound level	Open-circuit voltage	Overload protection			
Continuity test	Beeper	0.1Ω	Below 75Ω	Max. 3.3V	DC/AC 500V rms			
	Range	Resolution	Accuracy	Measurement frequency	Overload protection			
Inductance test	2mH	1µH	± (5%+10)	÷ 1000Hz	0.5A/250V Fuse			
	20mH	10µH						
	200mH	100µH						
	2H	1mH						
	20H	10mH						