

### General features

- 1-1. Panel Calibrate LCR Multimeter;
- 1-2. International Safety Standard IEC-1010-1
- 1-3. basic accuracy of direct current:  $\pm 0.5\%$ ;
- 1-4. way of Display: Extra Large LCD Backlight display;
- 1-5. display: 1999 (3 1/2), greatest display of the resistance files: 1980;
- 1-6. measure way: Double integral (3 1/2) A/D transformation;
- 1-7. Sampling speed: approximately 2.5 per second;
- 1-8. displays while surpass the measuring range : Highest position display " OL ";
- 1-9. display of insufficient battery: Displays "  $\square \pm$  " "
- 1-10. auto power off
- 1-11. Working conditions: 0~40 °C, relative humidity <80%;
- 1-12. Storage environment: -10~50 °C, relative humidity <80%;
- 1-13 Power source: One 9v battery (NEDA1604/6F22
- 1-14. Size & Weight: 180 x 85 x 42mm 350gm.include battery
- 1-15 accessories: instruction Manual, outside packing box, Test Leads 9V battery, CX/HEF test plug.



Metrix+ 451

### 2. Technical Specification

Accuracy is specified for a period of year after calibration and at 18°C to 28°C (64°F to 82°F) with relative humidity to 75%.

#### D C Voltage

range	Resolution	Accuracy
200mV	0.1mV	$\pm (0.5\%+5)$
2V	1mV	
20V	10mV	
200V	100mV	
1000V	1V	$\pm (0.8\%+5)$

#### A C Voltage

range	Resolution	accuracy
2V	1mV	$\pm (0.8\%+5)$
20V	10mV	
200V	100mV	
700V	1V	$\pm (1.2\%+7)$

#### D C Current

range	Resolution	accuracy
2mA	1 $\mu$ A	$\pm (0.8\%+5)$
200mA	100 $\mu$ A	$\pm (1.2\%+5)$
10A	10mA	$\pm (2\%+5)$

#### A C Current

range	Resolution	accuracy
200mA	100 $\mu$ A	$\pm (1.8\%+5)$
10A	10mA	$\pm (3\%+7)$

#### Resistance

range	Resolution	accuracy
200 $\Omega$	0.1 $\Omega$	$\pm (0.8\%+3)$
2k $\Omega$	1 $\Omega$	
20k $\Omega$	10 $\Omega$	
200k $\Omega$	100 $\Omega$	
2M $\Omega$	1k $\Omega$	
20M $\Omega$	10k $\Omega$	$\pm (1\%+5)$

#### Capacitance

range	Resolution	accuracy
20nF	10pF	$\pm (3\%+5)$
200nF	100pF	
2 $\mu$ F	1nF	
20 $\mu$ F	10nF	
200 $\mu$ F	100nF	$\pm (5\%+10)$

#### Inductance

Range	Resolution	accuracy
2mH	0.001mH	$\pm (3\%+15)$
20mH	0.01mH	$\pm (3\%+5)$
200mH	0.1mH	
20H	10mH	



#### Frequency

Range	Resolution	accuracy
2kHz	1Hz	$\pm (0.5\%3)$
20kHz	10Hz	
200kHz	100Hz	
Input sensitivity(rms)		500mV

#### HFE Test of crystal Triode

range	illustration	Test conditions
hFE	Display range: 0~1000 $\beta$	I <sub>bo</sub> ≈10 $\mu$ A, V <sub>ce</sub> ≈3V

#### Continuity

range	Illustration	Test conditions
	Displays the diode forward voltage approximation	Positive direction DC1mA Reverse direction DC3V
	Breakover resistance < approximately 50 $\Omega$ beep rings, displays the resistance approximation	Plough voltage about 3V