

## Features & Measurements

- ✓ 6,000 count display
- ✓ 62 segments Analog bargraph display
- ✓ Large white LED backlight display
- ✓ Automatic AC/DC voltage detector with low impedance (Auto-V LoZ)
- ✓ True RMS measurements on ACV/ACA
- ✓ AC+DC mA measurement
- ✓ AC+DC mV measurement
- ✓ LoZ for prevent false reading from ghost voltage
- ✓ VoltSeek™ for non-contact voltage detection
- ✓ Auto Ranging
- ✓ 0.08% DCV accuracy
- ✓ Peak Hold (1ms)
- ✓ Min/Max function
- ✓ Beep guard
- ✓ Smart data Hold
- ✓ Temperature Measurement
- ✓ Frequency Counter on ACV/ACA
- ✓ Capacitance measurement
- ✓ Audible continuity and Diode test
- ✓ 11A/1000V & 400mA/1000V High Energy Fuses
- ✓ Battery Capacity indication in segments
- ✓ Water/Dust Resistant
- ✓ Shock proof from 4 feet drops



## General Specifications

<b>Sampling Rate</b>	3times/sec
<b>Overload Indication</b>	"OL" or "-OL"
<b>Low Battery Indication</b>	
<b>Auto Power Off</b>	20 minutes
<b>Operating Temperature</b>	-10°C ~ 50°C, ≤80% RH
<b>Storage Temperature</b>	-20°C ~ 60°C
<b>Temperature Coefficient</b>	0.15(Spec. Acc)/°C, <18°C or>28°C
<b>Safety - IEC 61010 and designed to meet UL61010 specifications</b>	CAT. IV. 600V, CAT. III 1000V
<b>Power Requirement</b>	Single 9V battery (NEDA 1604A or IEC 6LF22)
<b>Battery Life</b>	200 In hours (No backlit, Alkaline battery)
<b>Size</b>	94mm(W) x 190mm (L) x 48 mm(H), with holster
<b>Weight</b>	460 In grams (with holster)
<b>Accessories</b>	Test Leads, Protective holster, Magnetic Hanging Kit, Temperature Probe, ZnC battery (installed) and manual

Specifications: (All at 23°C±5°C, ≤ 80% R.H.)

Parameter	Specification	
<b>DCV</b>	Ranges	60mV, 600mV, 6V, 60V, 600V, 1000V
	Resolution	0.01mV
	Basic Accuracy	±(0.08%+2d)
	Input Impedance	10MΩ
	Overload Protection	1000V rms
<b>ACV</b>	Ranges	600mV, 60mV, 6V, 60V, 600V, 1000V
	Resolution	0.1mV
	Basic Accuracy	±(0.8%+5d) at 45Hz ~ 1KHz
	Input Impedance	10MΩ//<100pF
	Overload Protection	1000V rms
	Conversion Type	AC+DC True RMS
<b>Auto-V LoZ</b>	Ranges	600.0V, 1000V
	Resolution	0.1V
	Basic Accuracy	±(0.8%+3d) at 45Hz ~ 1KHz
	Input Impedance	3KΩ
	Overload Protection	1000V rms
<b>AC+DC V</b>	Ranges	6V, 60V, 600V, 1000V
	Resolution	0.001V
	Basic Accuracy	±(2%+5d)
	Overload Protection	1000V rms
<b>AC+DC mV</b>	Ranges	60.00mV, 600.0mV
	Resolution	0.001V
	Basic Accuracy	±(2%+5d)
	Overload Protection	1000V rms
<b>DCA</b>	Ranges	60mA, 600mA, 6A, 10A
	Resolution	0.01mA
	Basic Accuracy	±(0.8%+3d)
	Overload Protection	11A or 440mA
<b>ACA</b>	Ranges	60mA, 600mA, 6A, 10A
	Resolution	0.01mA
	Basic Accuracy	±(1.2%+3d) at 45Hz ~ 1KHz
	Overload Protection	11A or 440mA
	Conversion Type	AC+DC True RMS

Specifications: (All at 23°C±5°C, ≤ 80% R.H.)

Parameter	Specification	
<b>AC+DC A</b>	Ranges	6A, 10A
	Resolution	1mA
	Basic Accuracy	±(2%+5d) at 50Hz ~ 1KHz
	Overload Protection	11A
<b>AC+DC mA</b>	Ranges	60mA, 600mA
	Resolution	0.01mA
	Basic Accuracy	±(2%+3d)
	Overload Protection	440mA
<b>OHM</b>	Ranges	600Ω ~ 40MΩ
	Resolution	0.1Ω
	Basic Accuracy: 600.0Ω	±(0.8%+5d)
	6.000KΩ, 60.00KΩ, 600.0KΩ, 6.00MΩ	±(0.8%+2d)
	40.00MΩ	±(1.5%+5d)
Overload Protection	1000V rms	
<b>Continuity Beeper</b>	2KHz tone buzzer	<20Ω
<b>Diode Test</b>	Open circuit voltage	1.8V max
<b>Frequency Counter</b>	Ranges	100Hz ~ 100KHz
	Resolution	0.01Hz
	Basic Accuracy	±(0.1%+2d)
	Sensitivity: 1Hz~10KHz, 10KHz~50KHz ACmA, ACA	>6V , >12V >6mA , >0.6A
	Overload Protection	1000V rms or 11A
<b>Capacitance</b>	Ranges	1μF ~ 10mF
	Resolution	0.001μF
	Basic Accuracy	±(1.2%+2d)
	Overload Protection	1000V rms
<b>Temperature</b>	Ranges	-40°C ~ 400°C
	Resolution	0.1°C
	Basic Accuracy	±(1%+20d)
	Overload Protection	1000V rms