

Measurements



- ✓ AC/DC Voltage measurement
- ✓ AC/DC Current measurement (M 2202 & M 2204)
- ✓ 10Amp ACA/DCA (M 2204)
- ✓ 0.5% DCV accuracy
- ✓ Capacitance measurement
- ✓ Resistance & Diode Test
- ✓ AC/DC μ A function (M 2202)
- ✓ $^{\circ}$ C / $^{\circ}$ F Temperature function (M 2202)
- ✓ Frequency counter on ACV
- ✓ Frequency counter on ACV/ACA (M 2204)

Features

- ✓ True RMS measurements on ACV
- ✓ True RMS measurements on ACV/ACA (M 2204)
- ✓ 6,000 count digital and 60 segments analog display
- ✓ Large white LED backlight display
- ✓ LoZ for prevent false reading from ghost voltage
- ✓ AutoVolt automatic AC/DC voltage selection
- ✓ Auto Ranging
- ✓ Peak Hold for capture peak readings
- ✓ Relative function
- ✓ Auto Power ON / OFF Option
- ✓ Smart Hold
- ✓ Non-contact voltage detection
- ✓ Holster with built in magnetic sticker
- ✓ Visible continuity beeper
- ✓ 11A/1000V High Energy Fuse (M 2204)
- ✓ Battery Capacity indication in segments
- ✓ Included Holster with Probe Holder, Tilt Stand and Magnetic sticker

General Specifications

Specifications	M 2200/M 2202/M 2204
Sampling Rate	3times/sec
Overload Indication	"OL" or "-OL"
Low Battery Indication	
Auto Power Off	20 minutes
Operating Temperature	-10 $^{\circ}$ C ~ 50 $^{\circ}$ C, \leq 80% RH
Storage Temperature	-20 $^{\circ}$ C ~ 60 $^{\circ}$ C
Temperature Coefficient	0.1(Spec. Acc)/ $^{\circ}$ C, <18 $^{\circ}$ C or>28 $^{\circ}$ C
Power Requirement	Single 9V battery (NEDA 1604A or IEC 6LF22)
Battery Life	300 In hours (No backlit, Alkaline battery)
Size	74mm(W) x 156mm (L) x 44mm(H)
Weight	250 In grams (with battery)
Accessories	Test Leads, Protective Holster, ZnC battery (installed) & manual (M 2202 Includes Temperature probe)
Safety Standard	IEC 61010 and designed to meet UL61010 specifications CAT IV 600V/CAT III 1000V

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

Parameter	Specification	M 2200	M 2202	M 2204	
DCV	Ranges	600mV, 6V, 60V, 600V, 1000V	✓	✓	✓
	Resolution	0.1mV	✓	✓	✓
	Basic Accuracy	±(0.5%+2d)	✓	✓	✓
	Input Impedance	10MΩ	✓	✓	✓
	Overload Protection	1000Vrms	✓	✓	✓
ACV	Ranges	600mV, 6V, 60V, 600V, 1000V	✓	✓	✓
	Resolution	0.1mV	✓	✓	✓
	Basic Accuracy: at 45Hz~500Hz	±(1.0%+3d)	✓	✓	✓
	Input Impedance	10MΩ//<100pF	✓	✓	✓
	Overload Protection	1000Vrms	✓	✓	✓
Auto-V LoZ	Ranges	600V, 1000V	✓	✓	✓
	Resolution	0.1V	✓	✓	✓
	Basic Accuracy: at 45Hz~500Hz	±(2.0%+3d)	✓	✓	✓
	Input Impedance	<3KΩ	✓	✓	✓
	Overload Protection	1000Vrms	✓	✓	✓
DCμA	Ranges	600μA	✗	✓	✗
	Resolution	0.1μA	✗	✓	✗
	Basic Accuracy	±(2.0%+3d)	✗	✓	✗
	Overload Protection	1000V rms	✗	✓	✗
ACμA	Ranges	600μA	✗	✓	✗
	Resolution	0.1μA	✗	✓	✗
	Basic Accuracy: at 45Hz~500Hz	±(1.5%+3d)	✗	✓	✗
	Overload Protection	1000V rms	✗	✓	✗
DCA	Ranges	6A, 10A	✗	✗	✓
	Resolution	0.001A	✗	✗	✓
	Basic Accuracy	±(1.0%+3d)	✗	✗	✓
	Overload Protection	11A	✗	✗	✓
ACA	Ranges	6A, 10A	✗	✗	✓
	Resolution	0.001A	✗	✗	✓
	Basic Accuracy: at 45Hz~500Hz	±(1.5%+3d)	✗	✗	✓
	Overload Protection	11A	✗	✗	✓
OHM	Ranges	600Ω~40MΩ	✓	✓	✓
	Resolution	0.1Ω	✓	✓	✓
	Basic Accuracy: 600Ω	±(0.9%+5d)	✓	✓	✓
	6KΩ, 60KΩ, 600KΩ, 6MΩ	±(0.9%+2d)			
	40MΩ	±(1.5%+5d)			
Overload Protection	1000V rms	✓	✓	✓	
Continuity Beeper	2KHz tone buzzer	<20Ω	✓	✓	✓
Diode Test	Ranges	1.500V	✓	✓	✓
	Resolution	0.001V	✓	✓	✓
	Basic Accuracy	±(0.9%+2d)	✓	✓	✓
	Open circuit voltage	1.8V max	✓	✓	✓
	Overload Protection	1000V rms	✓	✓	✓
Frequency Counter	Ranges	100Hz~100KHz	✓	✓	✓
	Resolution	0.01Hz	✓	✓	✓
	Basic Accuracy	±(0.1%+2d)	✓	✓	✓
	Sensitivity	>5V, >20V, >0.6A	✓	✓	✓
	Overload Protection	1000V rms or 11A	✓	✓	✓
Capacitance	Ranges	1μF~10mF	✓	✓	✓
	Resolution	0.1μF	✓	✓	✓
	Basic Accuracy	±(1.9%+2d)	✓	✓	✓
	Overload Protection	1000Vrms	✓	✓	✓
Temperature	Ranges	-40°C~400°C / -40°F~752°F	✗	✓	✗
	Resolution	0.1°C / 0.1°F	✗	✓	✗
	Basic Accuracy	±(1%+20d) / ±(1%+36d)	✗	✓	✗
	Overload Protection	1000Vrms	✗	✓	✗