



## Measurements

- ✓ AC/DC Voltage measurement
- ✓ AC/DC Current measurement (M 2102 & M 2104)
- ✓ 10Amp ACA/DCA measurement (M 2102 & M 2104)
- ✓ 0.5% DCV accuracy
- ✓ Capacitance measurement
- ✓ Resistance & Diode Test
- ✓ DC  $\mu$ A function (M 2102 & M 2104)
- ✓ °C / °F Temperature function (M 2104)
- ✓ Frequency counter 100Hz to 50KHz

## Features

- ✓ True RMS on ACV
- ✓ True RMS on ACA (M 2102 & M 2104)
- ✓ 6,000 count digital large display
- ✓ Large white LED Backlight display (M 2104)
- ✓ Auto Ranging
- ✓ Peak Hold for capture peak readings
- ✓ Smart Data Hold
- ✓ Relative Function
- ✓ Non-contact voltage detection
- ✓ Visible continuity beeper
- ✓ Auto Power ON / OFF option
- ✓ Auto Backlight ON / OFF option (M 2104)
- ✓ High Energy fuse (M 2102 & M 2104)
- ✓ Battery Capacity indication in segments
- ✓ Pocket size stream Line design
- ✓ Optional Holster with Probe holder, Tilt stand & Magnetic sticker, Holster with built in Magnetic sticker
- ✓ CAT III 600V standard

## General Specifications

Specifications	M 2100/M 2102/M 2104
Sampling Rate	3times/sec
Overload Indication	"OL" or "-OL"
Low Battery Indication	
Auto Power Off	20 minutes
Operating Temperature	0°C ~ 50°C, $\leq$ 80% RH
Storage Temperature	-20°C ~ 60°C
Temperature Coefficient	0.1(Spec. Acc)/°C, <18°C or>28°C
Power Requirement	IEC LR03, AM4 or AAA size 1.5V x2
Battery Life	360 In hours (No backlit, Alkaline battery)
Size	68mm(W) x 138mm (L) x 30mm(H)
Weight	200 In grams (with battery)
Accessories	Test Leads, ZnC battery (installed) & manual (M 2104 Includes Temperature probe)
Safety Standard	IEC 61010 and designed to meet UL61010 specifications - CAT III 600V

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

Parameter	Specification	M 2100	M 2102	M 2104	
DCV	Ranges	6V, 60V, 600V	✓	✓	✓
	Resolution	0.1mV	✓	✓	✓
	Basic Accuracy	±(0.5%+3d)	✓	✓	✓
	Input Impedance	10MΩ	✓	✓	✓
	Overload Protection	600Vrms	✓	✓	✓
ACV	Ranges	600mV, 6V, 60V, 600V	✓	✓	✓
	Resolution	0.1mV	✓	✓	✓
	Basic Accuracy: at 45Hz~500Hz	±(1.0%+3d)	✓	✓	✓
	Input Impedance	10MΩ/<100pF	✓	✓	✓
	Overload Protection	600V rms	✓	✓	✓
DCmV	Ranges	600mV	✗	✓	✓
	Resolution	0.1mV	✗	✓	✓
	Basic Accuracy: at 45Hz~500Hz	±(0.5%+5d)	✗	✓	✓
	Input Impedance	<10MΩ	✗	✓	✓
	Overload Protection	600Vrms	✗	✓	✓
DCμA	Ranges	400μA, 4000μA	✗	✓	✓
	Resolution	0.1μA	✗	✓	✓
	Basic Accuracy	±(0.9%+5d)	✗	✓	✓
	Overload Protection	600Vrms	✗	✓	✓
DCA	Ranges	6A, 10A	✗	✓	✓
	Resolution	1mA	✗	✓	✓
	Basic Accuracy	±(1.5%+3d)	✗	✓	✓
	Overload Protection	10A	✗	✓	✓
ACA	Ranges	6A, 10A	✗	✓	✓
	Resolution	1mA	✗	✓	✓
	Basic Accuracy: at 45Hz~500Hz	±(1.5%+3d)	✗	✓	✓
	Overload Protection	10A	✗	✓	✓
OHM	Ranges	600Ω~40MΩ	✓	✓	✓
	Resolution	0.1Ω	✓	✓	✓
	Basic Accuracy: 600Ω, 6KΩ, 60KΩ, 600KΩ, 6MΩ 40MΩ	±(0.5%+2d) ±(1.0%+5d)	✓	✓	✓
	Overload Protection	600V rms	✓	✓	✓
Continuity Beeper	2.7KHz tone buzzer	<30Ω	✓	✓	✓
Diode Test	Ranges	1.500V	✓	✓	✓
	Resolution	0.001V	✓	✓	✓
	Basic Accuracy	±(1.0%+3d)	✓	✓	✓
	Open circuit voltage	1.8V max	✓	✓	✓
	Overload Protection	600V rms	✓	✓	✓
Frequency Counter	Ranges	100Hz~50KHz	✓	✓	✓
	Resolution	0.01Hz	✓	✓	✓
	Basic Accuracy	±(0.1%+2d)	✓	✓	✓
	Sensitivity	>4V, >20V, >0.6A	✓	✓	✓
	Overload Protection	600V rms	✓	✓	✓
Capacitance	Ranges	50nF~1000μF	✓	✓	✓
	Resolution	0.01nF	✓	✓	✓
	Basic Accuracy	±(2.0%+5d)	✓	✓	✓
	Overload Protection	600Vrms	✓	✓	✓
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	600Vrms	✗	✗	✓