



Measurements

- ✓ AC/DC Voltage & Current measurement
- ✓ 10Amp ACA/DCA (M 2302)
- ✓ 0.5% DCV accuracy
- ✓ Capacitance measurement
- ✓ Resistance measurement
- ✓ Continuity & Diode Test
- ✓ Frequency measurement
- ✓ Temperature measurement (M 2302)

Features

- ✓ True RMS reading on AC mode
- ✓ 6000 count large scale digital display
- ✓ PEAK Hold/Relative function key
- ✓ Auto detect AC/DC on Voltage and Ampere
- ✓ Autoranging and manual selection
- ✓ Auto Power ON / OFF Option
- ✓ Smart Data Hold
- ✓ Non-contact voltage detection
- ✓ Beep Guard
- ✓ Shock proof from 4 feet drops
- ✓ Comfortable Holster with Probe holder and tilt stand
- ✓ CAT III 600V Safety standard

General Specifications

Specifications	M 2300/M 2302
Sampling Rate	3times/sec
Overload Indication	"OL" or "-OL"
Low Battery Indication	
Auto Power Off	Approx. 10 minutes
Operating Temperature	0°C ~ 50°C, ≤80% RH
Storage Temperature	-20°C ~ 60°C
Temperature Coefficient	0.15(Spec. Acc)/°C, <18°C or>28°C
Power Requirement	IEC LR03, AM4 or AAA Size 1.5V x 2
Battery Life	300 In hours (Alkaline battery)
Size	74mm(W) x 156mm (L) x 44mm(H)
Weight	250 In grams (with battery)
Accessories	Test Leads, ZnC battery (installed) & manual (M 2302 Includes Temperature probe)
Safety Standard	IEC 61010 and designed to meet UL3111 specifications CAT III 600V/CAT II 1000V

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

Parameter	Specification	M 2300	M 2302	
DCV	Ranges	60mV ~ 1000V	✓	✓
	Resolution	0.01mV	✓	✓
	Basic Accuracy	±(0.5%+2d)	✓	✓
	Input Impedance	10MΩ	✓	✓
	Overload Protection	1000VDC	✓	✓
ACV	Ranges	60mV ~ 1000V	✓	✓
	Resolution	0.01mV	✓	✓
	Basic Accuracy: At 50Hz ~ 60Hz	±(1.0%+5d)	✓	✓
	Input Impedance	10MΩ	✓	✓
	Overload Protection	1000VDC	✓	✓
	Conversion Type: Average sensing RMS indicating	TrueRMS	✓	✓
DCA	Ranges	6A/10A	✓	✓
	Resolution	1mA	✓	✓
	Basic Accuracy	±(1.0%+2d)	✓	✓
	Input Protection	10A/500V fast blowfuse for A input	✓	✓
ACA	Ranges	6A/10A	✓	✓
	Resolution	1mA	✓	✓
	Basic Accuracy: At 50Hz ~ 60Hz	±(1.5%+5d)	✓	✓
	Input Protection	10A/500V fast blowfuse for A input	✓	✓
	Conversion Type: Average sensing RMS indicating	TrueRMS	✓	✓
OHM	Ranges	600Ω to 40MΩ	✓	✓
	Resolution	0.01Ω	✓	✓
	Basic Accuracy	±(0.8%+2d)	✓	✓
	Overload Protection	600Vrms	✓	✓
Continuity Beeper	2kHz Tone Buzzer	<30Ω	✓	✓
Diode Test	Max. Open Circuit Voltage	1.8V	✓	✓
Frequency Counter	Ranges	6kHz ~ 100kHz	✓	✓
	Resolution	1Hz	✓	✓
	Basic Accuracy	±(0.1%+2d)	✓	✓
	Overload Protection	600Vrms	✓	✓
Capacitance	Ranges	10nF ~ 10mF	✓	✓
	Resolution	0.01nF	✓	✓
	Basic Accuracy	±(1.9%+8d)	✓	✓
	Overload Protection	600Vrms	✓	✓
Temperature	Ranges	-40°C ~ 400°C	✗	✓
	Resolution	0.1°C	✗	✓
	Basic Accuracy	±(1%+10d)	✗	✓
	Overload Protection	600Vrms	✗	✓