

Specifications

Operating System:	Dual Integration
Display:	Liquid crystal display with a maximum count of 4000
Low Battery Warning:	"BAT" symbol is displayed on the digital display
Over-range Indication:	"OL" displayed where input exceeds the upper limit of a range
Response Time:	Approx. 2 seconds
Sleep Function:	Automatically powered down in about 10 minutes after the last switch operation
Data Hold:	Available in all ranges provided the peak measurement mode is deactivated
Storage Temperature & Humidity:	-20 ~ 60°C, relative humidity up to 85% without condensation
Operating Temperature & Humidity:	0 ~ 40°C, relative humidity up to 85% without condensation
Conductor Size:	Approx. 54.5mm diameter max
Overload Protection:	2400A AC for 10sec 1200V AC/DC for 10 sec 600V AC for 10sec
Withstand Voltage:	5560V AC for 1 minute between electrical circuit and housing cases or metal parts of jaws
Insulation Resistance:	10MΩ or greater at 1000V between electrical circuit and housing cases or metal parts of jaws
Safety Standard:	IEC 61010-1: Over-voltage CAT.III 600V/CAT. II 1000V, pollution degree 1
Dimension:	247 (L) x 105 (W) x 49 (D) mm
Weight:	Approx. 470g (battery included)
Power Source:	Two R6P (DC1.5V) batteries or equivalent
Current Consumption:	Approx. 5mA max. (Approx. 20μA in the sleep mode)
Accessories:	Test Leads M-7107 Two R6P batteries Instruction manual Recorder Output Plug M-8201 Carrying case M-8008 Multi-Tran M-8008 Output Probe M-7014 Recorder M-5100A, etc.
Optional Accessories:	

Measuring Range & Accuracy

(at 23°C ± 5°C, relative humidity 45-75%)

AC Current ~ 400A, ~ 2000A

Range	Measuring Range	Resolution	Accuracy (Frequency Range)	Maximum Measurement Time
400A	0 ~ 400.0A	0.1A	± 1.0% rdg ± 3dgt (50/60Hz) ± 2.0% rdg ± 3dgt (40~1kHz)	Continuous
2000A	0 ~ 1000A	1A	± 1.0% rdg ± 3dgt (50/60Hz) ± 3.0% rdg ± 3dgt (40~1kHz)	
	1000 ~ 1500A		± 3.0% rdg (50/60Hz)	5 min
1500 ~ 2000A				

AC Voltage (~V) Auto-ranging

Range	Measuring Range	Resolution	Accuracy (Frequency Range)
40V	0 ~ 40.00V	0.01V	± 1.0% rdg ± 2dgt (50/60Hz) ± 1.5% rdg ± 3dgt (40~1kHz)
400V	15.0 ~ 400.0V	0.1V	
750V	150 ~ 750V	1V	

Initially set to 40V range. Input impedance is about 10MΩ.

DC Voltage Auto-ranging

Range	Measuring Range	Resolution	Accuracy (Frequency Range)
40V	0 ~ ± 40.00V	0.01V	± 1.0% rdg ± 2dgt
400V	± 15.0 ~ ± 400.0V	0.1V	
1000V	± 150 ~ ± 1000V	1V	

Initially set to 40V range. Input impedance is about 10MΩ.

Resistance (Auto-ranging)

Range	Measuring Range	Resolution	Accuracy (Frequency Range)
400Ω	0 ~ 400.0Ω	0.1Ω	± 1.5% rdg ± 2dgt
4kΩ	0.150 ~ 4.000kΩ	1Ω	
40kΩ	1.50 ~ 40.00kΩ	10Ω	
400kΩ	15.0 ~ 400.0kΩ	100Ω	

Initially set to the 400Ω range. In the continuity check mode, fixed to the 400Ω range and when the reading is not more than 50 ± 35Ω, the buzzer beeps.

Output (AC Current Ranges)

DC Output: 100.0mV per 1000 counts (Output impedance: about 10k Ω)

Range	Output Voltage / Measuring Range	Accuracy (Frequency Range)
400A	0 ~ 400.0mV / 0 ~ 400A	± 1.5% rdg ± 0.5mV (50/60Hz) ± 2.5% rdg ± 0.5mV (40~1kHz)
2000A	0 ~ 150.0mV / 0 ~ 1500A	± 1.5% rdg ± 0.5mV (50/60Hz) ± 3.5% rdg ± 0.5mV (40~1kHz)
	150.0 ~ 200.0mV / 1500 ~ 2000A	± 3.5% rdg (50/60Hz)

Electromagnetic compatibility (Radiated RF immunity & IEC 61000-4-3)

RF field strength = <= 1V/m, total accuracy: specified accuracy

RF field strength = 3V/m, total accuracy: specified accuracy + 2% of range