

CURRENT MEASUREMENT PROBES

MN SERIES AC CURRENT PROBES

MN200 SERIES

General purpose AC current probe with voltage outputs, for use with DMMs or with measuring instruments with voltage inputs. Permits measurement or recording of current with instruments that do not have current ranges. Voltage output proportional to current measured



Model MN213



SPECIFICATIONS

MODELS	MN213	MN251	MN253	MN255	MN291
Nominal Range	200Aac	200Aac	200Aac	20Aac; 200Aac	200Aac
Measurement Range	0.5 to 240Aac	0.1 to 240Aac		0.1 to 24Aac; 0.1 to 240Aac	0.5 to 240Aac
Transformation Ratio	1000:1	Voltage output	Voltage output	Voltage output	DC Voltage output
Output Signal	1mA/A (200mAac @ 200A)	1 mV/A (200mVac @ 200A)	10 mVac/A (2Vac @ 200A)	20A: 100mV/A (20Vac @ 200A) 200A : 10mV/A (2Vac @ 200A)	100mV/A (20Vdc @ 200A)
Accuracy (20A Range)		-		1% ± 50mV	-
(200A Range)					
0.5 to 10A		3% of Reading ± 0.5 A		3% of Reading ± 0.5 A	3% of Reading ± 0.5 A
10 to 40A		2.5% of Reading ± 0.5 A		2.5% of Reading ± 0.5 A	2.5% of Reading ± 0.5 A
40 to 100A		2% of Reading ± 0.5 A		2% of Reading ± 0.5 A	2% of Reading ± 0.5 A
100 to 240A		1% of Reading ± 0.5A		1% of Reading ± 0.5 A	2% of Reading
Phase Shift (20A Range)		-		Not Specified	
(200A Range)					
0.5 to 10A		Not Specified		Not Specified	N/A
10 to 40A		≤5°		≤5°	
40 to 100A		≤3°		≤3°	
100 to 240A		≤2.5°		≤2.5°	
Overload	240A for 10 min ON, 30 min OFF				
Frequency Range	40Hz to 10kHz				
Load Impedance	1Ω, 10Ω max. with derating				>1MΩ
Working/Common Mode Voltage	600V				
Output Termination	Double-insulated 5ft (1.5m) lead with two 4mm safety banana plugs				
MECHANICAL					
Operating Temperature	14° to 131°F (-10° to 55°C)				
Storage Temperature	-40° to 158°F (-40° to 70°C)				
Operating Relative Humidity	10 to 90% RH				
Jaw Opening	0.83" (21mm)				
Maximum Conductor Size	Ø 0.78" max (20mm)				
Maximum Bus Bar size	0.78 x 0.19" (20 x 5mm)				
Dimensions	5.47 x 2.00 x 1.18" (139 x 51 x 30mm)				
Weight	6.5 oz (180g)				
Material	Polycarbonate UL 94				
SAFETY					
Electrical	EN/IEC 61010-2-32 600 V CAT III, EN/IEC 61010-032				
UL Approval	Yes - Canada and United States				
Protection	IP40				
Double Insulation	Yes				
CE Mark	Yes				

FEATURES

- Small compact size
- Measurement ranges from 100mA to 240A
- Frequency response to 10kHz
- UL approved for both US and Canada
- Designed to EN61010, 600V CAT III
- Jaw opening accommodates 250kcmil cables
- Constructed with UL94VO flame retardant material
- Double insulated construction

CATALOG NO.	DESCRIPTION
2115.75	AC Current Probe Model MN213
2115.77	AC Current Probe Model MN251
2115.79	AC Current Probe Model MN253
2115.81	AC Current Probe Model MN255
2115.84	AC Current Probe Model MN291

