

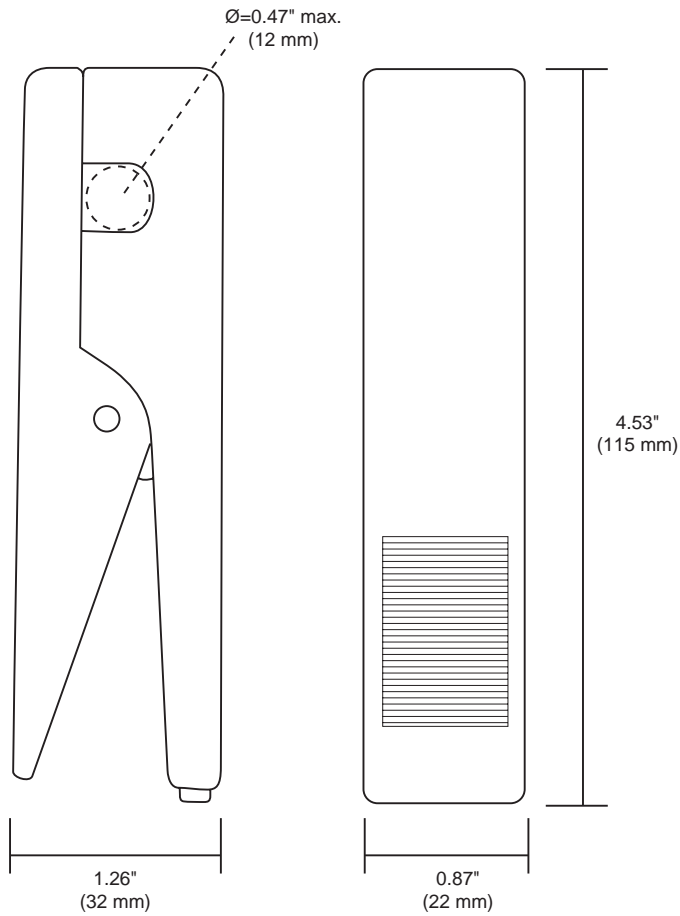


# Specifications

MODELS	MN185
<b>ELECTRICAL</b>	
Nominal Range	150A
Measurement Range	50mA to 150A
Transformation Ratio	1000:1
Output Signal	1mA <sub>AC</sub> /A <sub>AC</sub> (120mA @ 120A)
Accuracy (120A Range) 50mA to 100A 100 to 120A	1% of Reading ± 0.01A (with noninductive load) 1.5% of Reading ± 0.01A
Phase Shift (120A Range) 1 to 100A/ 50 to 60Hz	≤3.5°
Overload	170A continuous
Frequency Range	30Hz to 10kHz
Load Impedance	5Ω max
Working/Common Mode Voltage	250V <sub>AC</sub> /30V <sub>AC</sub>
Output Termination	Jack
<b>MECHANICAL</b>	
Jaw Opening	0.78" (20mm)
Maximum Conductor Size	0.47"Ø max (12mm)
Dimensions	1.26 x 4.53 x 0.87" (32 x 115 x 22mm)
Weight	5.6 oz (160g)
Polycarbonate Material	Handles 10% fiberglass charged polycarbonate UL94 V0
<b>ENVIRONMENTAL</b>	
Operating Temperature	13° to 122°F (-25° to 50°C)
Storage Temperature	-40° to 176°F (-40° to 80°C)
Operating Relative Humidity	10 to 35°C 85% RH (without roll-off above 35°C)
<b>SAFETY</b>	
Electrical	30V max common between output & ground; 3kV50/60Hz dielectric for 1mm

Note: Reference conditions:

23°C ±3K, 20 to 85%RH, 48 to 65Hz, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered, load impedance 1Ω.



**Jacks:**  
Two standard safety banana jacks (4mm)

ORDERING INFORMATION	CATALOG NO.
<b>AC Current Probe Model MN185</b> (Jack – 1mA/A – 100A max).....	<b>Cat. #100.185</b>
Includes a user manual	
<b>Accessories (Optional)</b>	
Pair, safety current leads (5 ft retractable rated 250V) .....	Cat. #100.319
Pair, current leads (39" color-coded) .....	Cat. #100.361
Banana plug adaptor (to nonrecessed plug) .....	Cat. #1017.45

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