

# OSCILLOSCOPES

## CURRENT PROBES

### MODELS MN251T & MN379T

#### SPECIFICATIONS

	MN251T	MN379T
ELECTRICAL		
Nominal Range	200A	5A / 100A
Measurement Range	0.5 to 240A	0.005 to 6A; 0.1 to 120A
Accuracy	3% of Reading @ 5A; 1% of Reading @ 200A	1% of Reading @ 5A; 1% of Reading @ 100A
Phase Shift	≤2.5° @ 20A / ≤2.5° @ 100A	≤4° @ 5A / ≤2.2 @ 100A
Overload	240A for 10 min ON, 30 min OFF	
Frequency Range	40 to 10kHz	
Limit Operating Conditions	200A permanently to 1kHz; Derating above 3kHz: 200A x (1/0.333F), F in kHz	
Working/Common Mode Voltage	600Vrms	
Output Termination	10 ft (~3m) BNC Lead	
Output Signal	1mV/Aac (200mV @ 200A)	200mV/Aac (1V @ 5A) & 10mV/Aac (1V @ 100A)
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 35°C (50 to 95°F) 85% RH (without roll-off above 35°C (95°F))	
Jaw Opening	0.83" (21mm)	
Maximum Conductor Size	0.78" (20mm)	
Dimensions	5.47 x 2.00 x 1.18" (139 x 51 x 30mm)	
Weight	6.5 oz (180g)	
Polycarbonate Material	Polycarbonate with fiberglass charge, UL94 V0	
SAFETY		
Safety Rating	EN 61010-2-32	
Double Insulation	Yes	
CE Mark	Yes	

Consult factory for NIST Calibration prices

### MINIFLEX® 3000-14-1-1 & 3000-24-1-1

#### SPECIFICATIONS

		3000-14-1-1	3000-24-1-1
ELECTRICAL			
Range	3000A		
Signal Output	1mV/A		
Frequency Range	10Hz to 20kHz with current derating		
Influence Of Conductor Positioning	1.5% typical, 3% max		
Influence Of Conductor Positioning In Sensor Against Handle	4% typical, 6% max		
External Conductor Influence	35dB to 40dB on contact		
Power Source	9V Alkaline battery (included)		
MECHANICAL			
Sensor Diameter	Ø 0.2 (5mm)		
Sensor Length	14" (~355mm)	24" (~609mm)	
Max Conductor Size	3.93" (~100mm)	7.6" (~190mm)	
Connection Cable Length	10 ft (~3.04M)		
Drop Test	Per IEC 68-2-32		
Vibration	Per IEC 68-2-6		
Mechanical Shock	Per IEC 68-2-27		
Weatherproofing	IP 50		
ENVIRONMENTAL			
Operating Temperature Range	14° to 131°F (-10° to +55°C)		
Storage Temperature Range	-40° to 158°F (-40° to +70°C)		
Altitude	Operating: 0 to 6560 ft (2000m), working voltage derating above; Non-operating: 0 to 39370 ft (12,000m)		
SAFETY			
Safety Rating	EN 61010, 1000V CAT III; 600V CAT IV		

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**CATALOG #2132.59**  
Range 0.05 to 240A



**CATALOG #2153.02**  
Range 0.005 to 120A

#### FEATURES

- Small, compact size
- True RMS measurements
- Large jaw opening accommodates conductor sizes up to 250MCM
- 10 foot leads make measurements in hard to reach areas possible
- 40Hz to 10kHz response



3000-14-1-1 &  
3000-24-1-1 only



**CATALOG #2132.60 (14")** **CATALOG #2132.63 (24")**  
Range 5 to 3000A Range 5 to 3000A



#### FEATURES

- True RMS Measurements
- 14" (~35cm) sensor included
- 24" (~60cm) sensor optional
- 10 foot (~3m) leads makes measurement in hard to reach areas possible
- Measurement range of 0.5 to 3000Arms
- Accuracy ±1% of Reading ±0.25A
- No core saturation or damage if measured circuit is overloaded
- 20kHz frequency response
- Low phase shift for power measurements
- Insensitive to DC: measures only the AC component on DC + AC signals
- Excellent linearity
- 9V Alkaline battery typically offers 150 hrs of continuous operation

