

CURRENT MEASUREMENT PROBES

MINIFLEX® SERIES

HIGH FREQUENCY OSCILLOSCOPE COMPATIBLE MINIFLEX® PROBES

A compact AC current measurement device composed of a flexible sensor, a BNC connector, and an electronic module designed to measure frequency response up to 1MHz



MF 300-6-2-10-HF (6" PROBE)



MF 300-10-2-10-HF (10" PROBE)



MF 3000-14-2-10-HF (14" PROBE)

SPECIFICATIONS

MODELS	MF 300-6-2-10-HF	MF 300-10-2-10-HF	MF 3000-14-1-1-HF
ELECTRICAL			
Current Range	30/300A		3000A
Measurement Range	0.5 to 300A		0.5 to 3000A
Accuracy	1% ± 300mA		
Signal Output	100mV / 10mV/A		1mV/A
Frequency Range	2 to 1MHz @ -3db		
Influence of Conductor Positioning	1% typical, 2% max		
Influence of Conductor Positioning in Sensor Against Handle	1% typical, 6% max		
External Conductor Influence	30.5db to 40db on contact		
Power Source	9V Alkaline battery (6 LF22)		
MECHANICAL			
Sensor Diameter	Ø 0.2" (5mm)		
Sensor Length	6" (152mm)	10" (250mm)	14" (350mm)
Max Conductor Size	1.77" (45mm)	2.75" (70mm)	3.93" (100mm)
Connection Cable Length	6.5 ft (2m)		15.75" (40 cm)
Drop Test	Per IEC 68-2-32		
Vibration	Per IEC 68-2-6		
Mechanical Shock	Per IEC 68-2-27		
Weatherproofing	IP50		
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 6562 ft (0 to 2000m), working voltage derating above; Non-operating: 0 to 39,000 ft (0 to 12,000m)		
SAFETY			
Safety Rating	Housing: EN 61010 600V CAT III, 300V CAT IV Sensor: EN 61010 1000V CAT III, 600V CAT IV		



FEATURES

- Measures from 0.5 to 300Arms
- Accuracy ±1% of Reading ±0.2A
- TRMS measurements when connected to a TRMS instrument
- No core saturation or damage if overloaded
- 9V battery for typical 150 hours continuous operation
- 1MHz frequency response
- Low phase shift for power measurements
- Insensitive to DC, measures only AC component on AC + DC signals
- Excellent linearity
- Lightweight
- Sensor is resistant to oils and aliphatic hydrocarbons
- Perfect accessory for any BNC oscilloscopes

CATALOG NO.	DESCRIPTION
2126.83	MiniFlex® 30/300A, 6", 100mV/10mV/A High Frequency (for any BNC Oscilloscope)
2126.84	MiniFlex® 30/300A, 10", 100mV/10mV/A High Frequency (for any BNC Oscilloscope)
2126.86	MiniFlex® 300A, 14", 1mV/A High Frequency (for any BNC Oscilloscope)