

# CURRENT MEASUREMENT PROBES

## MINIFLEX® SERIES

### HIGH FREQUENCY OSCILLOSCOPE COMPATIBLE MINIFLEX® PROBES

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



Model MF 300-6-2-10-HF (6" probe)

Model MF 300-10-2-10-HF (10" probe)



### FEATURES

- Measures from 0.5 to 300Arms
- Accuracy  $\pm 1\%$  of Reading  $\pm 0.2A$
- 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 DC + AC signals
- Excellent linearity
- Lightweight
- Sensor is resistant to oils and aliphatic hydrocarbons
- Perfect accessory for all oscilloscopes

### SPECIFICATIONS

MODELS	MF 300-6-2-10-HF	MF 300-10-2-10-HF
<b>ELECTRICAL</b>		
Range	30/300A	
Signal Output	100mV/10mV/A	
Frequency Range	5 to 1MHz @ -3db	
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 (6LF22)	
<b>MECHANICAL</b>		
Sensor Diameter	Ø 0.2" (5mm)	
Sensor Length	6" (152mm)	10" (250mm)
Max Conductor Size	1.77" (45mm)	2.95" (70mm)
Connection Cable Length	6.5ft (2m)	
Drop Test	Per IEC 68-2-32	
Vibration	Per IEC 68-2-6	
Mechanical Shock	Per IEC 68-2-27	
Weatherproofing	IP50	
<b>ENVIRONMENTAL</b>		
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 6562ft (0 to 2000m), working voltage derating above; Non-operating: 0 to 39,000ft (0 to 12,000m)	
<b>SAFETY</b>		
Safety Rating	EN 61010, 1000V CAT III; 600V CAT IV	

CATALOG NO.	DESCRIPTION
2126.83	MiniFlex® Model MF 300-6-2-10-HF
2126.84	MiniFlex® Model MF 300-10-2-10-HF

