

# 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
ELECTRICAL			
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)		
MECHANICAL			
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		
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 6562ft (0 to 2000m), working voltage derating above; Non-operating: 0 to 39,000ft (0 to 12,000m)		
SAFETY			
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