



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)

► 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 | |



► 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

CATALOG NO.

DESCRIPTION

| | |
|---------|-----------------------------------|
| 2126.83 | MiniFlex® Model MF 300-6-2-10-HF |
| 2126.84 | MiniFlex® Model MF 300-10-2-10-HF |