

CURRENT MEASUREMENT PROBES

JM SERIES AC CURRENT PROBES

JM800 SERIES

High performance for higher currents, AC current probes have excellent transformation and low phase shift



Model JM813



SPECIFICATIONS

MODELS	JM813	JM810A	JM830A	JM865A
Nominal Range	3000A _{AC} (2400A _{AC} >95°F [35°C])	2000A _{AC}	3000A _{AC} (2400A _{AC} >95°F [35°C])	1000; 2000; 3000A _{AC} (2400A _{AC} >95°F [35°C])
Measurement Range	1 to 3000A _{AC}	1 to 2000A _{AC}	1 to 3000A _{AC}	1 to 3600A _{AC}
Transformation Ratio	3000:3	2000: 2	3000: 1	1000:5; 2000: 5; 3000: 5
Output Signal	1mA/A (3A _{AC} @ 3000A)	1mA/A (2A _{AC} @ 2000A)	0.333mA/A (1A _{AC} @ 3000A)	5 mA/A 2.5 mA/A 1.666 mA/A (5A _{AC} @ 1000, 2000, 3000A)
Accuracy	150A: 1.5% of Reading 600A: 0.75% of Reading 3000A: 0.5% of Reading	100A: 2% of Reading 400A: 1% of Reading 2000A: 0.5% of Reading	150A: 1.5% of Reading 600A: 0.75% of Reading 3000A: 0.5% of Reading	(1000A Range) 50A: 3% of Reading 200A: 1.5% of Reading 1000A: 1% of Reading (2000A Range) 100A: 1.5% of Reading 400A: 0.75% of Reading 2000A: 0.5% of Reading (3000A Range) 150A: 1.5% of Reading 600A: 0.75% of Reading 3000A: 0.5% of Reading
Phase Shift	150A: 1.5° 600A: 0.75° 3000A: 0.5°	100A: 1.5° 400A: 0.75° 2000A: 0.5°	150A: 1.5° 600A: 0.75° 3000A: 0.5°	(1000A Range) 50A: 3° 200A: 1.5° 1000A: 1° (2000A Range) 100A: 1.5° 400A: 0.75° 2000A: 0.5° (Rango de 3000A) 150A: 1.5° 600A: 0.75° 3000A: 0.5°
Overload	3600A for 5 min	2400A for 10 min	3600A for 5 min	1200; 2400; 3600A for 10 min
Frequency Range	30Hz to 5kHz; current derating above 1kHz for continuous use			30Hz to 1.5kHz; current derating above 1.5kHz for continuous use
Load Impedance	≤0.6Ω	≤1Ω	≤5Ω	0.1Ω; 0.2Ω; ≤2Ω
Working/Common Mode Voltage	600V			
Output Termination	Two safety 4mm banana jacks	5ft (1.5m) lead with two 4mm safety banana plugs		Two safety 4mm banana jacks
MECHANICAL				
Operating Temperature	14° to 122°F (-10° to 50°C)			
Storage Temperature	-13° to 176°F (-25° to 80°C)			
Jaw Opening	3.54" (90mm)			
Maximum Conductor Size	Ø 2.52" (64mm)			
Maximum Bus Bar Size	1.97 x 5.31" (50 x 135mm); 2.52 x 3.94" (64 x 100mm)			
Dimensions	4.72 x 12.40 x 1.89" (120 x 315 x 48mm)			
Weight	2.65 lbs (1.2kg)			
Material	Polycarbonate UL 94			
SAFETY				
Electrical	EN 61010-2-32, 600V CAT III, Pollution Degree 2			
Protection	IP20			
Double Insulation	Yes			
CE Mark	Yes			

FEATURES

- Current output: up to 3000A_{AC} (continuous cycle for the full temperature range)
- Designed for use on DMMs, power and harmonic meters, recorders or instruments with AC current ranges

CATALOG NO. DESCRIPTION

2110.93	AC Current Probe Model JM813
2110.80	AC Current Probe Model JM810A
2110.83	AC Current Probe Model JM830A
2110.88	AC Current Probe Model JM865A