



M1



S

<p>Model M1</p> <p>Transformer ratio (Arms) 100 A/1A</p> <p>Rated burden 1W</p> <p>Maximum load 2W</p> <p>Overload (Arms) 120% continuous, 150% for 5 min/h</p> <p>Weight 100 gm approx.</p> <p>Colours Red, Yellow, Blue</p> <p>Dimensions 97 x 46 x 27 mm.</p> <p>Jaw opening Cable Dia 15 mm max.</p> <p>Accuracies</p> <p>for 50 Hz ±2% of rdg. for 5A to 10A ±1% of rdg. for 10A to 150A</p> <p>for 2000Hz ±1% of rdg. for 100A</p> <p>for 50A ±2% from 30Hz to 10000Hz</p> <p>for phase from 1° to 2.5°</p> <p>Connections Safety sockets for banana plugs ø 4mm</p>	<p>Model S</p> <p>Transformer ratio (Arms) 200/5A, 500/5A, 1000/5A (Single Range)</p> <p>Overload (Arms) 100, 500, 1000/5A (Triple Range)</p> <p>Weight 120% continuous, 200% for 5 min/h</p> <p>Weight 535 gm approx.</p> <p>Colours Red, Yellow, Blue</p> <p>Dimensions 217 x 109 x 40 mm.</p> <p>Jaw Opening Cable Dia 53 mm max.</p> <p>Bus bar 51 x 12mm</p> <p>Accuracies</p> <p>for 30Hz to 5000Hz Class 2 for Rated Burden 0.8W</p> <p>for 45Hz to 1000Hz Class 1 for Rated Burden 0.4W</p> <p>for 50Hz to 400Hz Class 0.5 for Rated Burden 0.2W</p> <p>Connections Safety Sockets for Banana Plugs ø 4mm</p>
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Note : Clamps with specifications other than above available subject to technical specifications.

Caution : The current probe secondary should never be open-circuited. Otherwise, lethal voltages will be developed and the probe will be damaged. Always complete the secondary connection firmly before clipping on the probe to the circuit. For disconnection, reverse the sequence. For power measurements, ensure the correct P1, P2 and S1, S2 polarities as indicated by the arrows on the Probe.



FCT Series

Model FCT Series

MECO FCT is a Flexible Current Transformer based on the Rogowski principle. It is suitable to conveniently measure Single / Three Phase AC and Pulsed DC Currents. After approximate signal conditioning, it can be used with Digital Multimeters, Recorders and other suitable equipment to measure current from very low frequencies up to 1MHz.

The probes comprises of a flexible air-cored sensor which can be opened and installed around a primary conductor without interrupting the circuit. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and over large conductors. Inner Diameter / Window Size and leads can be customized.

Specification

Typical Voltage Output VoRMS (Sinusoidal Current)	(2.183 x 10 ⁻⁶) x IRMS x Frequency	Bandwidth	5Hz ~1MHz
VoRMS (at 3000ARMS, 50 Hz)	300mV AC	Accuracy	± 0.2%(Most accurate position, 25°C)
Rated Current (RMS)	3000A	Phase Shift	90 ± 0.2 degrees
Inner Diameter / Window Size	100mm (5")	Temperature Sensitivity	0.08% per °C
Coil Diameter	9 mm	Position Sensitivity	± 0.5%
Internal Resistance per Probe	120Ω	Working Voltage	1000V AC RMS
Operating Temperature Range	-10°C to + 60°C		
Storage Temperature Range	-20°C to + 70°C		

Ordering Information : Model, Rated Input (A AC) & Rated Output