Flexible Current Transformer (FCT Series)
Clamp-On Current Transformer (CCT Series)

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
VoRMS (at 3000ARMS, 50 Hz)	100mV AC
Rated Current (RMS)	3000A
Inner Diameter / Window Size	127mm (5")
Coil Diameter	9 mm
Internal Resistance per Probe	120Ω
Operating Temperature Range	-10°C to + 60°C
Storage Temperature Range	-20°C to + 70°C

Bandwidth	5Hz ~ 1MHz
Accuracy	±0.2%(Most accurate position, 25°C)
Phase Shift	90 ±0.2 degrees
Temperature Sensitivity	0.08% per °C
Position Sensitivity	±0.5%
Working Voltage	1000V AC RMS
Colour	Red, Yellow, Blue and Black

CCT Series

MECO CCT Series of Clamp-On Current Transformer's are designed for fast and easy installation. Clamp-On Current Transformer uses Permalloy Magnetic Core or Silicon Amorphous Core, with characteristics of small size, high precision, good stability and strong anti-interference ability.These sensor's give a standard AC Current output which is suitable to conveniently measure on Single Phase / Three Phase Circuits with good stability and high anti-interference ability. It is ideal for power and energy measurement with high precision and small phase angle error in applications related to electric power, communication, monitoring and control. It can measure a variety of electric parameters without removing cables.The Standard length of Output Leads is 2 Meter. However Output and Leads Cable can be customized.

Specification

Model	Window size/ ID (mm)	Primary Current (A AC)	Secondary Output (A AC)	Accuracy
CCT602	60	0 ~ 2000A	5A	1.0