

Flexible Roche coil

OVERVIEW

The O-FCT series flexible Roche coil current transformer (FCT) can monitor AC currents up to 100kAmps. They can be opened and flexible, making it easy to install around busbars and multiple wires.

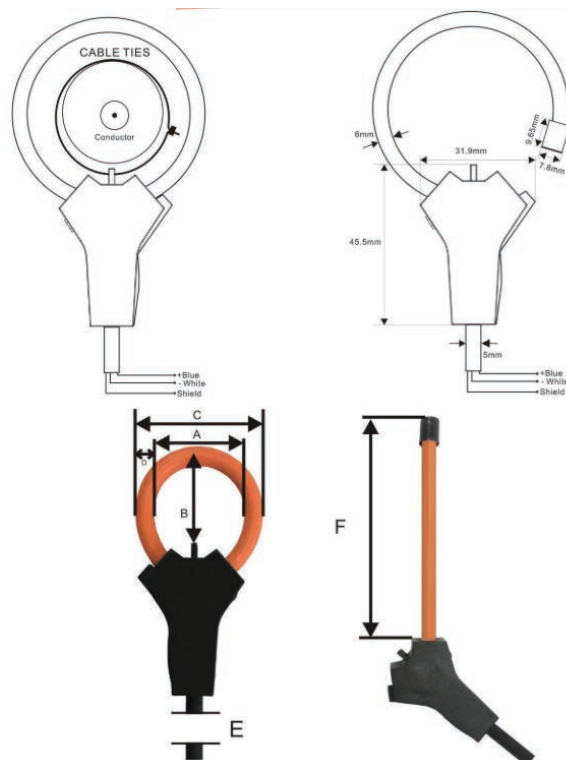


SPECIFICATION

Excellent linearity
High dynamic range, 1A to 500KA
Strong overload capability
Low interference from adjacent conductors
There is no risk of open circuit and high voltage
Zero power consumption
Low position error
Soft and lightweight, easy to install
Good linearity

ENVIRONMENTAL

Roche coil center	< 0.5%
Coil part	< 1%



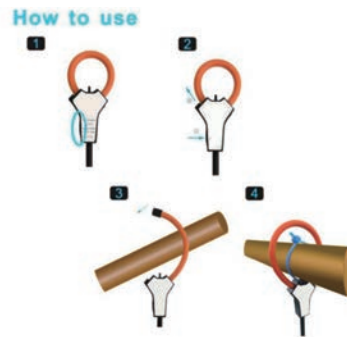
ELECTRONICAL

MODEL	FCT-o-200	FCT-o-240	FCT-o-300	FCT-o-350
Perimeter	50mm	65mm	85mm	100mm
Internal diameter	200mm	240mm	300mm	350mm
Section	6mm			
Reference current	10A-200kA			
Angle difference	≤0.5°			
Signal line length	Default 2m, customizable			
Transformation ratio	10±2mV/kA@50Hz		32±2mV/kA@50Hz	
Bandwidth	1Hz to 1MHz(-3dB)			
Internal resistance	Uncalibrated 200ppm/C		Calibrate 50ppm/C	

MECHANICAL

size (mm)	FCT-o-200-2M	FCT-o-350-2M	FCT-o-510-2M	FCT-o-800-2M
A. Window size	60	100	150	240
B. Outer diameter of coil	66	121	171	261
D. Coil cross-section	8			
E. Signal line lengthB. Window size	2M			
F. Coil length	200	350	510	800

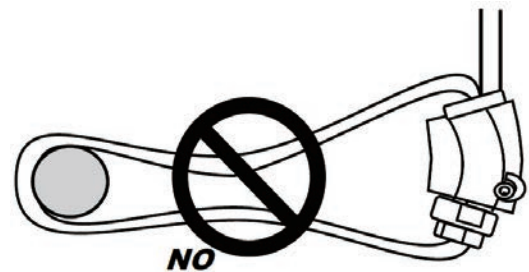
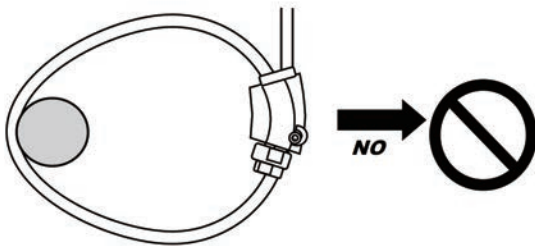
INSTALLATION METHOD:



ATTENTION!

I Do not forcefully pull

II Do not bend forcefully



III Do not package in a bent state

