

Clamp-on Flexible Rogowski coil ERCL120/190/305-Series

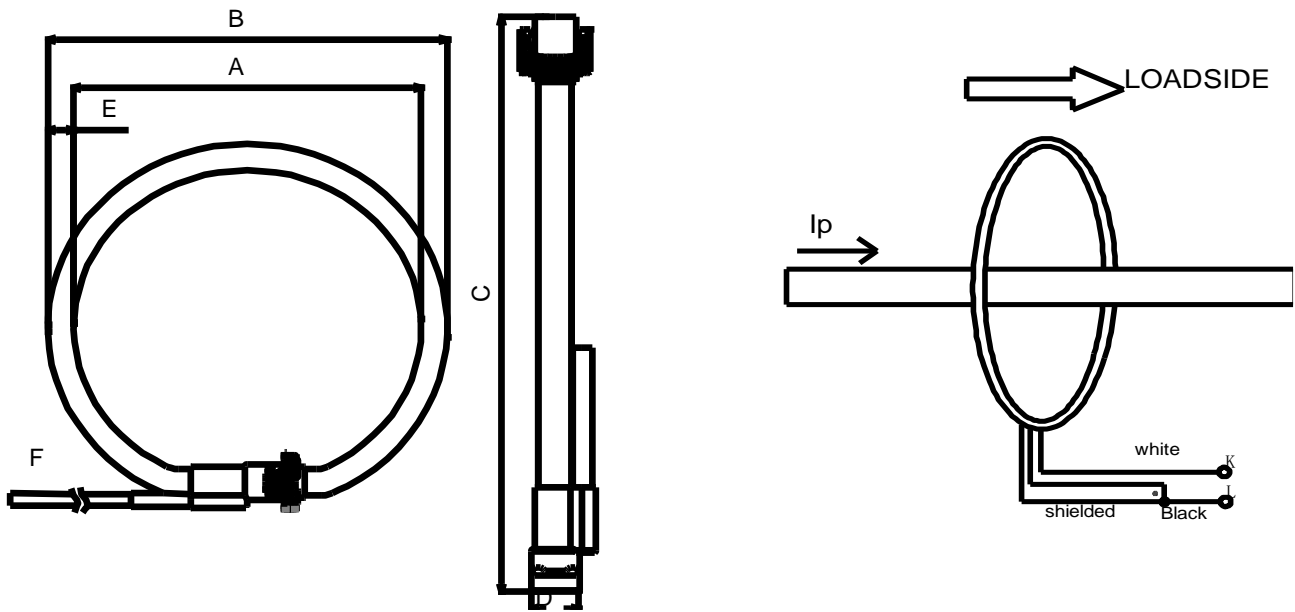
Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of wide AC current, pulsed DC or distorted waveforms. It may be used to measure AC current over a wide dynamic range and from 10Hz to 20kHz



STANDARD PART NUMBERS

MODEL	ERCL120	ERCL190	ERCL305
Current Range	3000A	4000A	5000A
Output Voltage	600mV AC/3000A@50Hz 720mV AC/3000A@60Hz	800mV AC/4000A@50Hz 960mV AC/4000A@60Hz	1000mV AC/5000A@50Hz 1200mV AC/5000A@60Hz
Accuracy	< 3% (conductor in the center)		
Phase Shift	50/60Hz (typical < 0.5°)		
Frequency Range	10Hz to 20KHz		
Linearity (10% to 100% of range)	±0.2% of reading		
Conductor Position Sensitivity	±2% maximum		
Influence of External Field	±2% maximum		
Operating Temperature Range	-40~75°C		
Storage Temperature Range	-45~85°C		
Operating Altitude	Up to 2000m		
Pollution Degree	PD 3		
Standard	Conforms to ANSI/CAN/UL2808		

DIMENSIONS(MM)



DIMENSIONS (mm)		ERCL120	ERCL190	ERCL305
A	Window Size	120	190	305
B	Transformer Coil O.D.	145	205	335
C	Transformer Length	420	640	1000
D	Locking Connector O.D.	21		
E	Transformer Coil Diameter	12		
F	Wire Lead Total Length	1500(Available customizing)		

Applications

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in electronic Watt-hour meter

Features

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Available shielding type on request
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0
- UL2808 standard
- IP 65(Probe head only)