

# Clamp-on Flexible Rogowski coil ERC40/55/80/105 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 25Hz to 5kHz

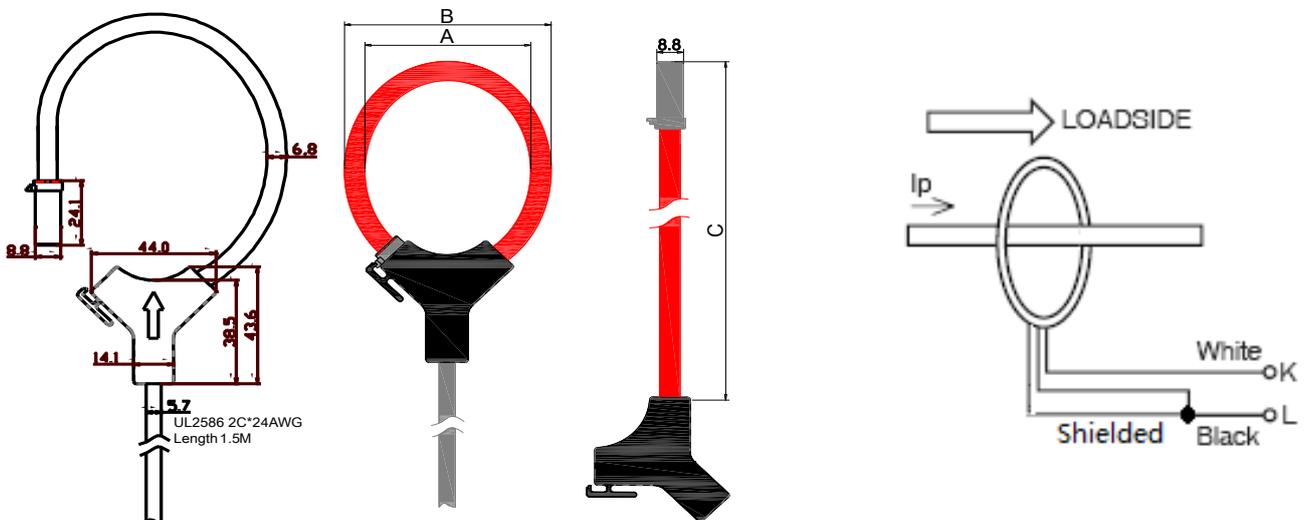


## STANDARD PART NUMBERS

MODEL	ERC40	ERC55	ERC80	ERC105
Current Range	400A	500A	1,000A	2,000A
Output Voltage	14.3mV AC@50Hz 17.16mV AC@60Hz also customized by customer	17.2mV AC@50Hz 20.64mV AC@60Hz also customized by customer	104mV AC@50Hz 124.8mV AC@60Hz also customized by customer	208mV AC@50Hz 249.6mV AC@60Hz also customized by customer
Accuracy	< 3% (conductor in the center)			
Output Sensitivity Tolerance	±5% maximum(Uncalibrated)			
Output Sensitivity Tolerance	±0.5% of reading at 25°C(Calibrated)			
Linearity (10% to 100% of range)	±0.2% of reading			
Conductor Position Sensitivity	±1% maximum			
Influence of External Field	±2% maximum			
Operating Temperature Range	-40~75°C			
Storage Temperature Range	-45~85°C			
Pollution Degree	Pollution Degree 2			
Insulation Category	CATIV 600V			
Standard	Conforms to UL Std. 61010-1, 61010-2-032; Certified to CSA Std. C22.2 No. 61010-1, 61010-2-032			

## DIMENSIONS( MM )

DIMENSIONS (mm)	ERC40	ERC55	ERC80	ERC105
A Window Size	40	55	80	105
B Transformer Coil O.D.	55	70	95	120
C Transformer Length	150	200	280	355





, Do not apply around or remove from UNINSULATED HAZARDOUS LIVE conductors, which may render electric shock, electric burn, or arc flash

3F Building B No. 88 Shengye Rd North Tianmei, Huangjiang Town, Dongguan City, Guangdong Province, China

## Applications

- Very high current monitoring
- DC ripple measurement
- Harmonics and transients monitoring
- Power monitoring & control systems
- Applicable in electronic Watt-hour meter
- No danger from open-circuited secondary

## Features

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Available shielding type on request
- IP 65(Probe head only)
  
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0