

Clamp-on Flexible Rogowski coil CT ERC150-1000

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



Electrical Characteristics (@ $f_p=50\text{Hz}$, $T_A= 25^\circ\text{C}$, unless otherwise noted)

Current Range	1000A
Output Voltage	120 mV @ $f=50\text{Hz}$
Accuracy	< 1%
Phase Shift	< 1° at 50/60Hz (typical < 0.5°)
Frequency Range	10Hz to 20kHz
Output Sensitivity Tolerance	$\pm 5\%$ maximum
Linearity (10% to 100% of range)	$\pm 0.2\%$ of reading
Conductor Position Sensitivity	$\pm 2\%$ maximum
Inuence of External Field	$\pm 2\%$ maximum
Operating Temperature Range	$-20 \sim 60^\circ\text{C}$
Storage Temperature Range	$-40 \sim 85^\circ\text{C}$
Safety	BS EN 61010-1, 600V CAT III pol. Deg 2

Measuring Head Characteristics

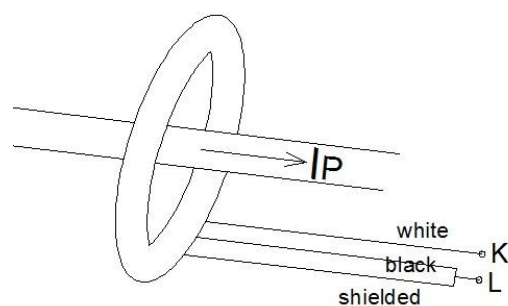
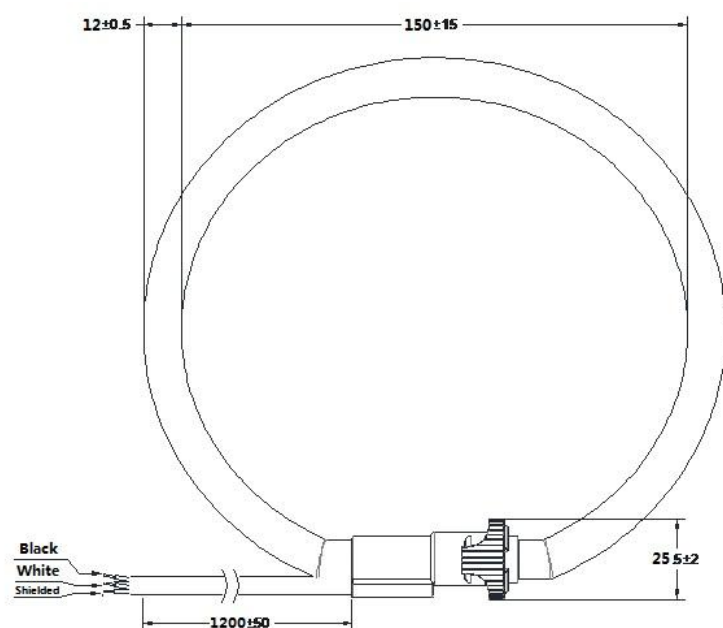
Cable length	550mm
Coil Diameter	12mm
Bend diameter	150 mm
Output cable	1.2m long
Material	TPE rubber, Polypropylene, UL94-VO rated

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
- Coil length from 40cm to 100cm
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error
- Isolated plastic case recognized according to UL94-V0
- IP 65(Probe head only)



Output graph

