

FLEXIBLE CT ROGOWSKI

FEATURE

- AC current probe utility by the Rogowski principle
- Flexible and lightweight
- Easy & quick installation in uninterruptible power line
- Suitable to measure currents from mA to 100kA
- measurable from 10Hz to 20kHz
- Available shielding type on request
- Coil length from 20cm to 180cm
- No danger from open-circuited secondary
- High secondary output voltage & precise linearity error

APPLICATION

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

SPECIFICATION

Normal type

Current Range

< 1-10kA

Output Voltage

344mVAC /1000 A at 50HZ

Accuracy

< 1%

Phase Shift

< 1° at 50/60Hz (typical < 0.5°)

Frequency Range

25Hz to 5kHz

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

±2% maximum

Working Voltage

1000Vrms or DC (Probe)

Influence of External Field

±2% maximum

Dielectric Strength

5kVrms/1min. (Coil closed)

Working Temp.

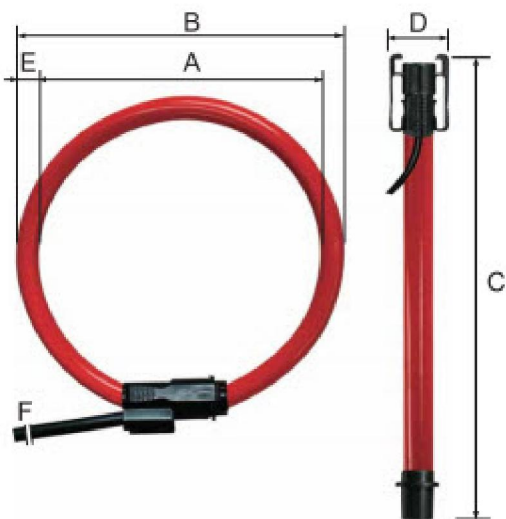
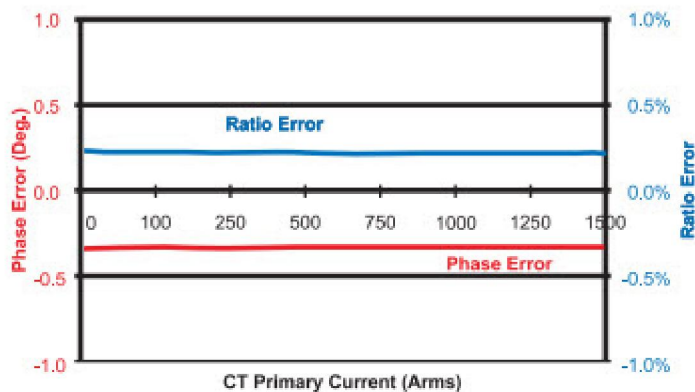
-20°C to +85°C

MECHANICAL

Coil Material	thermoplastic rubber(red, blue, black)
Coupling Materials	Black thermoplastic rubber and Polypropylene UL 94 V-0 rated
Wire Length	100cm(Normal), available customizing
Wire Colors	Black = K Red = L Bare wire = shield

STANDARDS

SAFETY	EN61010-1, EN61010-031
	EN61010-2-031, EN61010-2-032
	IEC 1010-1



DIMENSIONS (cm)

A Window Size	19.0
B Transformer Coil O.D.	20.5
C Transformer Length	<u>60.0</u>
D Locking Connector O.D.	2.2
E Transformer Coil Diameter	1.2