

PRC55500 Rogowski coil

OVERVIEW

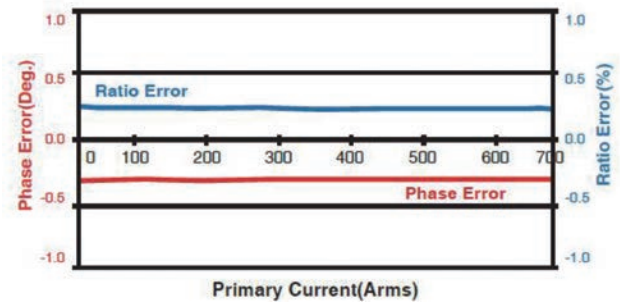
Clamp-on Flexible Rogowski coil PRC55500-2
Clamp-on Flexible Rogowski coil Current Transformer has been designed for accurate measurement of wide AC current, pulsed DC or distorted waveforms. It may be used to measure AC current over a wide dynamic range and from 10Hz to 20kHz.

FEATURES

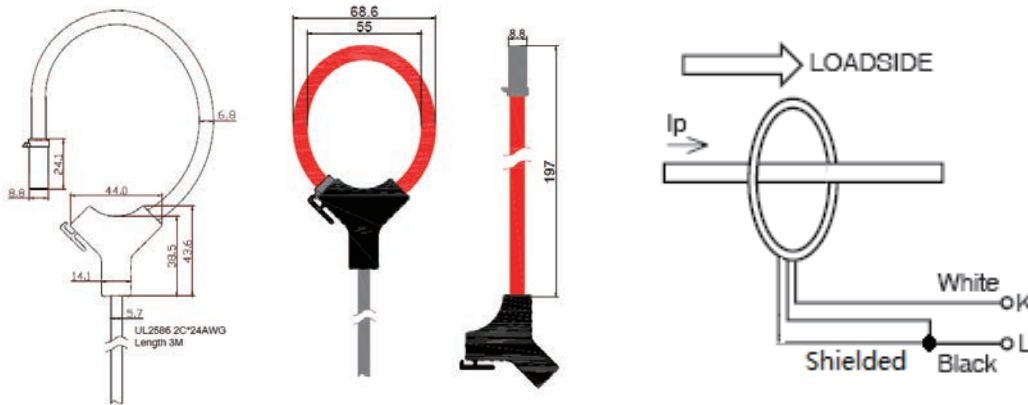
AC current probe utility by the Rogowski principle
Flexible and lightweight
Easy & quick installation in uninterruptible power line
Available shielding type on request
Coil length from 40cm to 100cm
No danger from open-circuited secondary
High secondary output voltage & precise linearity error
Isolated plastic case recognized according to UL94-V0
IP 65(Probe head only)

APPLICATIONS

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



Output graph



MECHANICAL

MODEL	PRC55500-2
Current Range	500
Output Voltage	17.2mV/mV AC/@50Hz 20.64mV AC/@60Hz
Accuracy	< 3%
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
Working Temp.	-20°C to +60°
Insulation Category	CAT III