

PCTi

Industrially specified ac current transducer



PCTi - Thin, flexible, clip-around, ac current transducer

The PCTi is a current transducer for permanent installation. Simple to install and easy to retrofit, the Rogowski (sense) coil is thin, lightweight, flexible and clip-around. The secondary output from the transducer is an instantaneous voltage proportional to the measured primary current providing an accurate, low cost, wide-band measurement of the primary current.

The PCTi is typically used with power and harmonic meters and analyzers, current meters, oscilloscopes, data-loggers, data acquisition cards, and in power quality applications.

The PCTi is a wide-band ac current transducer :

- Easy to retrofit
- Simple to install in applications where space is limited Non-intrusive - no power drawn from the primary circuit Wide-band up to 1MHz, to measure harmonic components \sim or complex waveforms (e.g. induction heating, VF drives, \sim power measurement
- The size of the Rogowski coil can be specified \sim independently of the primary current
- Does not suffer from magnetic saturation
- Intrinsically safe
- Equivalent to Class 1 CT or better
- Low cost monitoring for medium/large currents.

