



CT-IL CT MOUNTED LOOP POWERED CURRENT TRANSDUCER



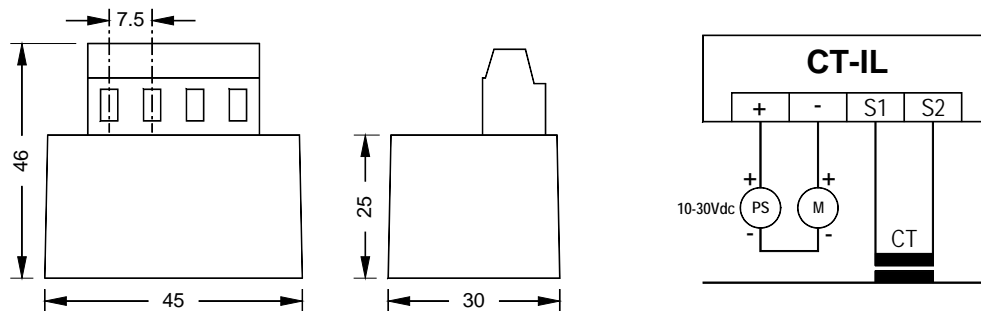
The CT-IL transducer converts the 5A secondary of a current transformer (CT) into a load independent dc current signal capable of driving a number of independent instruments. The small size of the CT-IL enables easy mounting directly onto any CT. Low voltage dc power for the unit is fed from the remote measuring instrument via the two wire signal line. The output signal is calibrated to rms, based on an arithmetic mean measurement of the rectified input signal, and hence the transducer should be used with undistorted sine waveforms (<1% distortion).

The unit conforms to IEC 60688.

Specifications

Input	Sinusoidal alternating current Standard nominal range : 0 - 5A Burden : <1VA Accurate range : 0 - 120% Frequency range : 45 - <u>50</u> - 55 - <u>60</u> - 65Hz Overload capacity : 2 x continuous
Output	Standard nominal output : 4 - 20mA dc <750 Ohm load Specified accurate range : 0 - 120% Ripple : <1% pk to pk Response time : <250ms 0 - 90% : <500ms 0 - 99%
Supply	: 10V to 30V dc injected at any point in the loop. Supply voltage must include provision for voltage drop across loads. A supply voltage of 25V is recommended
Accuracy	: Class 0.5 to IEC 60688 ±0.5% of nominal output for specified range
Temperature	Operating : 0°C to +23°C to +60°C Storage : -25°C to +70°C
Housing	ABS thermoplastic, rating UL 94HB
Terminals	Self extinguishing polyamide (UL 94 V0) with rising clamp, suitable for 2.5mm ² conductor.
EMC Compliance	: AS/NZS 61000.6.3:2012

Housing & Connection Diagram



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