



CT-IL CT TO CURRENT LOOP TRANSDUCER



CT-IL mounted on PE-501 current transformer

The C&C 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 the CT.

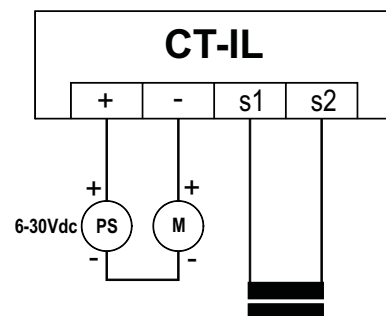
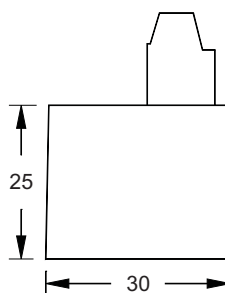
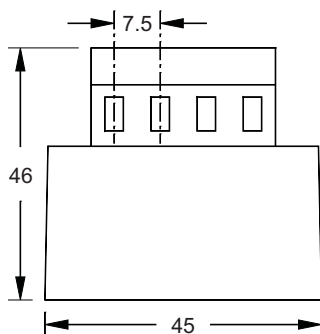
Low voltage dc power for the unit is fed from the remote measuring instrument via the two wire signal line.

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).

Specifications

Input	Sinusoidal alternating current Standard nominal range Burden Accurate range Frequency range Overload capacity	: 0 - 5A : <1VA : 0 - 120% : 45 - <u>50</u> - 55 - <u>60</u> - 65Hz : 2 x continuous
Output	Standard nominal output Specified accurate range Ripple Response time	: 4 - 20mA dc <750Ω load : 0 - 120% : <1% pk to pk : <250ms 0 - 90% : <500ms 0 - 99%
Aux. 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 Storage	: 0°C to +23°C to +60°C : -25°C to +70°C
EMC Approvals		: AS/NZS 3548 : C-Tick Mark

Dimensions mm



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