



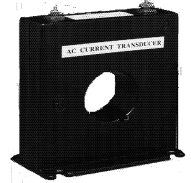
INTEGRATED CURRENT TRANSFORMER/TRANSDUCER *MODEL CTD*

DESCRIPTION

The CTD units provide a self-powered 0 - 1mA output or a loop-powered 4 - 20mA output proportional to window current ranges up to 1000 amperes at 50 - 400 hertz. The dc output is proportional to the average absolute value of input and is calibrated with sine wave input. Standard units provide 0.5 percent accuracy and 0.25 percent units are available for most ranges.

FEATURES

- Insensitive to polarity
- Easy to install
- Accurate and reliable from 50 - 400Hz



APPLICATIONS

- Designed for applications requiring accurate current measurements

INPUT AC AMPS	STANDARD OUTPUTS MODEL CTD-	
	0 - 1mA*	4 - 20mA**
0 - 25	025A	025E2
0 - 50	050A	050E2
0 - 100	100A	100E2
0 - 150	150A	150E2
0 - 200	200A	200E2
0 - 300	300A	300E2
0 - 400	400A	400E2
0 - 500	500A	500E2
0 - 600	600A	600E2
0 - 800	800A	800E2
0 - 1000	1000A	1000E2

ORDERING INFORMATION

Example: 25 Amp ac input with
4 - 20mA loop powered output.

CTD - 025E2

*0 - 1mA models are self-powered from measured line.
**4 - 20mA loop-powered models require an external 15 - 40Vdc power supply.
Higher accuracy ($\pm 0.25\%$) is available on all models except the 25 amp range. Add the letter "J" to the end of the model number.
For 3 inch window - add "Z03" to model number.

MODEL CTD SPECIFICATIONS

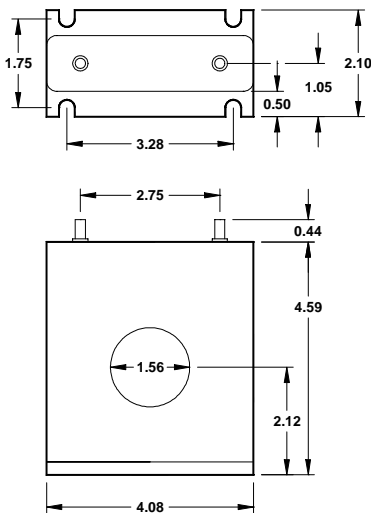
INPUT

CURRENT: See tables
FREQUENCY RANGE: 50 - 400 Hz.
BURDEN: 0.5VA F.S.
CURRENT OVERLOAD: 5 times rating for 10 sec/hour.
DIELECTRIC TEST (Input/Output/Case): 1800Vac
INSTRUMENT POWER:
0 - 1mA: Self-powered
** 4 - 20mA: 24Vdc loop powered, range 15 - 40Vdc

OUTPUT

ACCURACY: $\pm 0.5\%$ F.S.
Includes linearity, nominal frequency (60Hz) and set point.
OUTPUT RIPPLE: less than $\pm 0.5\%$ F.S.
RESPONSE TIME (90%): 300 milliseconds
OUTPUT LOADING (ohms)
0 - 1mA: 0 - 10K
4 - 20mA: 0 - 500 at 24Vdc
TEMPERATURE EFFECT (-20° to +60°C): $\pm 1.0\%$ Rdg.

CASE DIMENSIONS

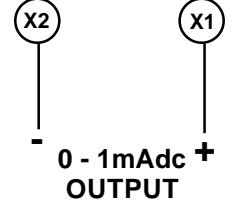


Larger window size available.

All dimensions in inches.
Weight: 1.0lbs.

CONNECTION DIAGRAMS

0 - 1mA MODELS



4 - 20mA MODELS

