

CURRENT TRANSDUCERS

DC & RMS CURRENT TRANSDUCERS

MODELS CT7, CT8

DC TO 500Hz

0.1 TO 20A INPUTS

FEATURES

- Input/output isolation of 2500V.
- The CT7 provides an output which is directly proportional to the input signal from DC to 500Hz. The output is proportional to the input.
(AC input/AC output, DC input/DC output)
Note: This does not apply to 4-20mA output models. These models should only be used on DC signals.
- The CT8 provides an output which is directly proportional to the RMS value of AC and/or DC input signal.

INPUT AMPS	STANDARD OUTPUTS MODEL CT7- & CT8-			
	1mA*	4-20mA	10V*	5V*
0 to 0.1	002B	002E	002D	002X5
0 to 0.5	004B	004E	004D	004X5
0 to 1.0	006B	006E	006D	006X5
0 to 1.5	007B	007E	007D	007X5
0 to 2.0	008B	008E	008D	008X5
0 to 5.0	014B	014E	014D	014X5
0 to 10.0	015B	015E	015D	015X5
0 to 15.0	016B	016E	016D	016X5
0 to 20.0	017B	017E	017D	017X5

*Bi-directional (+/-) output on CT7

APPLICATIONS

- Accurate measurement of current waveforms containing DC and non-sinusoidal AC components.
- Low current measurement.



ORDERING INFORMATION

Example: 0-5Adc Input

with 4-20mA Output.

CT7-014E

SPECIFICATIONS

INPUT

Current.....See Table
 Frequency Range.....dc-500Hz
 Burden.....VA (0.050V X F.S. Current)
 Overload.....1.25 X F.S. Rating
 Dielectric Test(Input/Output/Case).....2500Vac
 Instrument Power
 85-265Vac, 48-420Hz, 5VA, or 110-370Vdc
 Temperature Effects...(-10°C to +60°C)+ 1.0% Rdg.
 Field Adjustable Cal.....± 10%

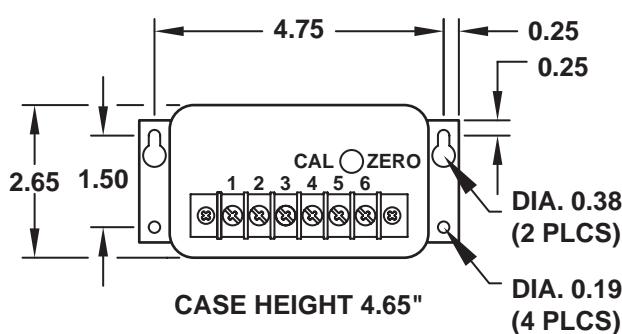
Instrument Power Options

Option -12, -15, -24, -37, -48
 for 12Vdc thru 48Vdc, ± 10%, 150mA Max.

OUTPUT

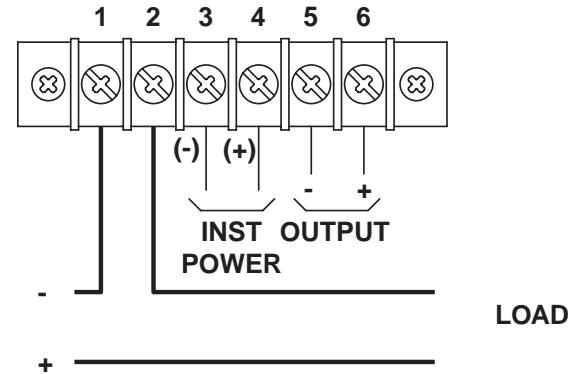
ACCURACY.....Includes effects of linearity and repeatability.
 CT7 Models.....± 0.25% F.S. @ DC
 CT8 Models.....± 0.25% F.S. @ 48-420Hz
 Response Time.....(to 90%)
 CT7 Models.....1ms
 CT8 Models.....100 ms
 Ripple<1.0% F.S.
 Output Loading (Ω)
 0-1mA0-10K
 5V & 10V>2K
 20mA.....0-500
 Weight1.5 Lbs.

CASE DIMENSIONS



All Dimensions In Inches

CONNECTION DIAGRAMS



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