

# CURRENT TRANSDUCERS

## VARIABLE FREQ. CURRENT TRANSDUCER

**MODEL CT8**

**DC TO 500 HERTZ FREQUENCY RANGE**

### FEATURES

- Provides output which is directly proportional to **RMS** value of AC and/or dc input signal.
- Input/output isolation of 2500V.

### APPLICATIONS

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

INPUT	STANDARD OUTPUTS MODEL NUMBER CT8-			
CURRENT (AMPS)	0-1mA	4-20mA	0-10Vdc	0-5Vdc
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

All units have universal power supply 85-265Vac,48-420Hz or 110-370Vdc.

**OTHER CURRENT RANGES AVAILABLE  
CONSULT FACTORY**

### MODEL CT8 SPECIFICATIONS

#### INPUT

Current ..... See tables  
 Frequency Range ..... dc to 500 Hz.  
 Burden (OHMS)  
 0.1 to 2 Amp models ..... 0.4VA  
 5 to 20 Amp models ..... 0.25VA  
 Overload ..... 1.25 times full scale rating  
 Dielectric Test ..... (Input/Output/Case) ..... 2500VAC  
 Instrument Power (Std.) ..... 85-265Vac, 48-420Hz, 5VA  
 or 110-370Vdc, 5VA

#### OUTPUT

Response ..... (90%) ..... 100 milliSeconds  
 Output Ripple ..... Less than 1.0% F.S. @ 48-500Hz  
 Output Loading (OHMS)  
 0-1mA ..... 0-10K  
 0-10Vdc, 0-5Vdc ..... 2K min.  
 4-20mA ..... 0-500  
 Field Adjustable Cal. .... +/- 10%

#### ACCURACY ..... +/- 0.25% F.S. (@48-420Hz.)

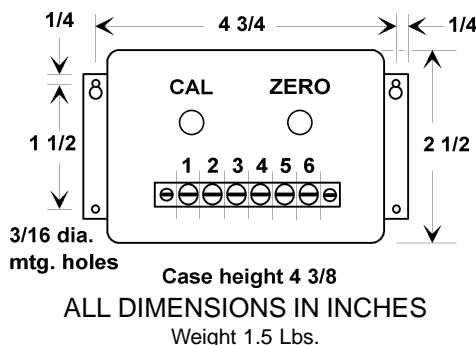
Includes effects of linearity and repeatability.  
 Temperature Effect ..... (-10°C to 60°C) ... +/- 1.0% RDG.

### ORDERING INFORMATION

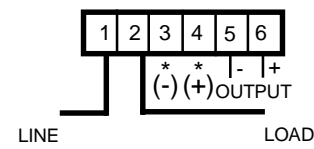
Example: 500mA AC/dc input  
 with 4-20mA output.  
**CT8-004E**



### CASE DIMENSIONS



### CONNECTION DIAGRAMS



\* Instrument power-terminals 3, 4.

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