

# OSI LOW COST CURRENT TRANSFORMERS

## FREQUENCY RANGE 50-400 HERTZ

### FEATURES

- Manufactured to meet requirements of UL 1244 and revisions
- All models on this page UL recognized - file number E134271.



### APPLICATIONS

- For use with OSI PC5 series and model W series Watt/Watthour transducers.
- Ideal for use with Ammeters, relays and Watt transducers.



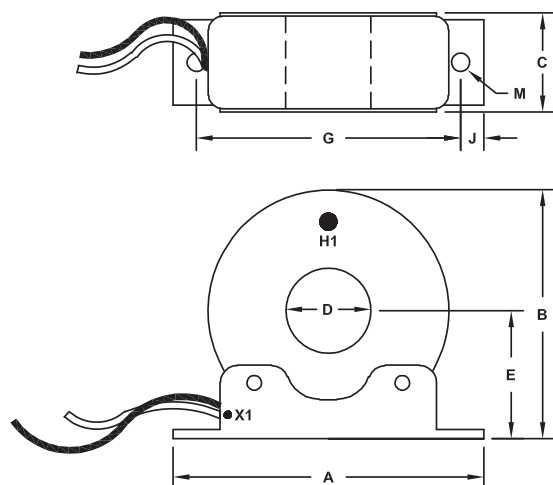
## MODEL SELECTION

### 50-400 HERTZ CURRENT TRANSFORMER

| CURRENT RATIO | ACCURACY AT 60Hz (%) | BURDEN AT 60Hz (VA) | PART NUMBER | WT. (LBS) | TRANSFORMER DIMENSIONS (INCHES) |      |      |      |      |      |      |           |
|---------------|----------------------|---------------------|-------------|-----------|---------------------------------|------|------|------|------|------|------|-----------|
|               |                      |                     |             |           | A                               | B    | C    | D    | E    | G    | J    | M         |
| 50:5          | 3.0                  | 1.5                 | 10418       | 1.22      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 100:5         | 1.5                  | 5.0                 | 10424       | 1.28      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 150:5         | 1.0                  | 7.5                 | 10421       | 1.35      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 200:5         | 1.0                  | 12.5                | 10425       | 1.37      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 250:5         | 1.0                  | 12.5                | 12271       | 1.39      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 300:5         | 1.0                  | 15.0                | 10417       | 1.41      | 4.50                            | 3.70 | 1.25 | 1.25 | 1.94 | 3.88 | 0.31 | 0.27x0.44 |
| 400:5         | 1.0                  | 15.0                | 10420       | 1.47      | 6.50                            | 4.70 | 1.25 | 2.50 | 2.46 | 5.75 | 0.38 | 0.28      |
| 500:5         | 1.0                  | 25.0                | 12279       | 1.53      | 6.50                            | 4.70 | 1.25 | 2.50 | 2.46 | 5.75 | 0.38 | 0.28      |
| 600:5         | 1.0                  | 30.0                | 10422       | 1.59      | 6.50                            | 4.70 | 1.25 | 2.50 | 2.46 | 5.75 | 0.38 | 0.28      |
| 750:5         | 1.0                  | 30.0                | 12476       | 1.60      | 6.50                            | 4.70 | 1.25 | 2.50 | 2.46 | 5.75 | 0.38 | 0.28      |
| 800:5         | 1.0                  | 35.0                | 12280       | 1.61      | 6.50                            | 4.70 | 1.25 | 2.50 | 2.46 | 5.75 | 0.38 | 0.28      |
| 1000:5        | 1.0                  | 10.0                | 10423       | 0.65      | 6.50                            | 4.70 | 1.25 | 3.00 | 2.46 | 5.75 | 0.38 | 0.28      |
| 1200:5        | 1.0                  | 10.0                | 11014       | 0.73      | 6.50                            | 4.70 | 1.25 | 3.00 | 2.46 | 5.75 | 0.38 | 0.28      |
| 1500:5        | 1.0                  | 12.5                | 10998       | 0.86      | 6.50                            | 4.70 | 1.25 | 3.00 | 2.46 | 5.75 | 0.38 | 0.28      |
| 1600:5        | 1.0                  | 12.5                | 12284       | 1.10      | 6.50                            | 4.70 | 1.25 | 3.00 | 2.46 | 5.75 | 0.38 | 0.28      |
| * 2000:5      | 1.0                  | 15.0                | 14046       | 1.10      | 6.50                            | 4.70 | 1.25 | 3.00 | 2.46 | 5.75 | 0.38 | 0.28      |

\* NOT UL RATED

### DIMENSIONS



Dwg# 0902-00921-B

### SPECIFICATIONS

Frequency..... 50-400Hz  
 Insulation Class ..... 0.6kV BIL 10kV full-wave  
 Lead Wire ..... UL1015, 105°C, CSA approved  
 Size ..... 16 AWG, 24" length  
 Termination..... No. 8 ring terminal

NOTE: Models with input of 300A and below have slotted mounting holes.

**Caution:** It is recommended that the incoming power be de-energized before installation. Current Transformer must have its secondary terminals shorted or the burden connected BEFORE ENERGIZING the primary.

FOR INDOOR USE ONLY.

# OHIO SEMITRONICS, INC.

4242 REYNOLDS DRIVE \* HILLIARD, OHIO \* 43026-1264  
 PHONE: (614) 777-1005 \* FAX: (614) 777-4511  
 WWW.OHIOSEMITRONICS.COM \* 1-800-537-6732