

OSI SPLIT-CORE CURRENT TRANSFORMERS MODEL CTY-

LOW COST

FEATURES

- 0.5% Linearity
- Split-core
- AC Outputs 0.1A, 1A, 5A, 0.333V, 1V, 5V

Now with UL Recognition



APPLICATIONS

- For use with OSI Watt transducers
- For use with OSI Current transducers
- Ideal for Ammeters, Wattmeters

INPUT AC AMPS	STANDARD OUTPUTS MODEL CTY-						SENSOR SIZE
	0-0.1Aac*	0-1Aac	0-5Aac	0-0.333Vac	0-1Vac	0-5Vac	
0-50	050A-.1	050A-1	NA	050A-.3V	050A-1V	050A-5V	A
0-100	100A-.1	100A-1	NA	100A-.3V	100A-1V	100A-5V	A
0-200	200A-.1	200A-1	NA	200A-.3V	200A-1V	200A-5V	A
0-100	100B-.1	100B-1	100B-5	100B-.3V	100B-1V	100B-5V	B
0-200	200B-.1	200B-1	200B-5	200B-.3V	200B-1V	200B-5V	B
0-300	300B-.1	300B-1	300B-5	300B-.3V	300B-1V	300B-5V	B
0-400	400B-.1	400B-1	400B-5	400B-.3V	400B-1V	400B-5V	B
0-500	500B-.1	500B-1	500B-5	500B-.3V	500B-1V	500B-5V	B
0-600	600B-.1	600B-1	600B-5	600B-.3V	600B-1V	600B-5V	B
0-800	800B-.1	800B-1	800B-5	800B-.3V	800B-1V	800B-5V	B
0-800	800C-.1	800C-1	800C-5	800C-.3V	800C-1V	800C-5V	C**
0-1000	1000C-.1	1000C-1	1000C-5	1000C-.3V	1000C-1V	1000C-5V	C**
0-1200	1200C-.1	1200C-1	1200C-5	1200C-.3V	1200C-1V	1200C-5V	C**
0-1200	1200D-.1	1200D-1	1200D-5	1200D-.3V	1200D-1V	1200D-5V	D
0-1500	1500C-.1	1500C-1	1500C-5	1500C-.3V	1500C-1V	1500C-5V	C**
0-1500	1500D-.1	1500D-1	1500D-5	1500D-.3V	1500D-1V	1500D-5V	D
0-2000	2000D-.1	2000D-1	2000D-5	2000D-.3V	2000D-1V	2000D-5V	D
0-2500	2500D-.1	2500D-1	2500D-5	2500D-.3V	2500D-1V	2500D-5V	D



ORDERING INFORMATION

Example: 1500A Input, with a 0.333Vac Output. Sensor size D
CTY-1500D-.3V

Optional inputs and outputs are available, consult factory.

* 0.1Aac output models have an internal voltage clamping circuit which limits the output voltage to less than 8Vac. CT secondaries may be opened safely without disconnecting the primary.

** UL Recognition does not apply to C-size sensors.

SPECIFICATIONS

For use over insulated conductors only!

INPUT

Current See table
Over-current 1.2 X rating
Frequency Range 50-60Hz

OUTPUT

Signal See table
Burden, Sensor Size A
1Aac models 50Aac, 100Aac 0.5VA
200Aac 1VA
Burden, Sensor Sizes B, C and D
1Aac, 5Aac models ... 100Aac 1VA
200Aac, 300Aac 2VA
400Aac through 800Aac... 5VA
1000Aac through 2500Aac... 10VA
Loading 0.33Vac, 1Vac, 5Vac models ... ≥500kΩ
0.1Aac models ≤10Ω

ACCURACY

0-0.1Aac models 0.30% Metering Class
0-1Aac models, sensor size "A" ±1% F.S.
0-5Aac models ±1% F.S.
All other models ±0.5% F.S.

MECHANICAL

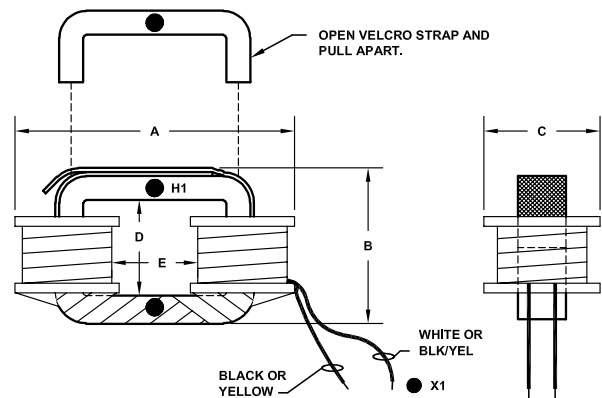
Operating Temperature 55°C Max.

SENSOR DIMENSIONS

SENSOR SIZE	DIMENSIONS in inches					WT. LBS.
	A	B	C	D	E	
A	2.80	2.00	1.12	0.90	0.85	0.4
B	3.85	3.80	1.30	2.40	1.25	0.8
C	5.50	4.60	1.30	3.15	2.90	1.5
D	6.60	12.60	1.30	11.00	4.00	5.2

LEAD LENGTHS

5Aac models 24", 14AWG, White (X1) & Black
0.1Aac models 72", 16AWG, Blk/Yel (X1) & Yellow
All other models 72", 16AWG, White (X1) & Black



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