

# SPLIT-CORE CURRENT TRANSFORMERS

MODEL CTY-

## FEATURES

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

## LOW COST



## APPLICATIONS

- For use with OSI Watt transducers
- For use with OSI Current transducers
- Ideal for Ammeters and 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: 100A Input, with a 0.333Vac Output. Sensor Size B

**CTY-100B-.3V**

Optional inputs and outputs are available, consult factory.

\* 0.1A 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

### INPUT

Current.....See Table  
 Over-current.....1.2 X Rating  
 Frequency Range ..... 50-60Hz

### OUTPUT

Signal.....See Table  
 Burden, Sensor Size A  
 1A Models.....50A.....0.2VA  
 100A.....0.5VA  
 200A.....1VA  
 Burden, Sensor Sizes B, C and D  
 1A and 5A Models .....1VA  
 200A and 300A.....2VA  
 400A through 800A.....5VA  
 1000A through 2500A.....10VA  
 Loading.....0.333V, 1V and 5V Models .....≥500kΩ  
 0.1A Models.....≤10Ω

### DIELECTRIC TEST

Input to Output.....2500Vac, 1min.

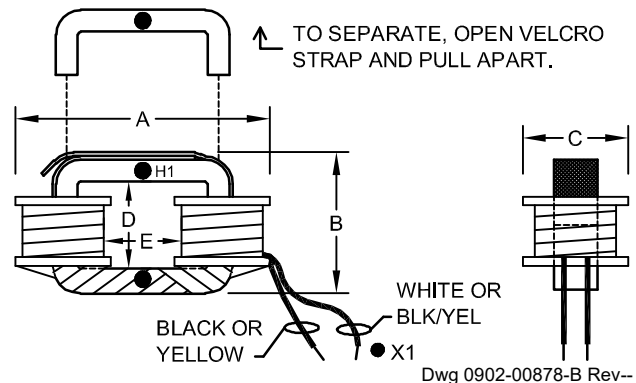
### ACCURACY

0.1A, 0.333V, 1V and 5V Models  
 50A models.....0.6 metering class  
 100A-2500A models .....0.3 metering class  
 1A Models.....Sensor Size A.....±1% F.S.  
 Sensor Sizes B, C and D.....±0.5% F.S.  
 5A Models.....±1% F.S.

THERMAL RATING FACTOR.....1.0 @ 55°C

***For use over insulated conductors only!***

## SENSOR DIMENSIONS



SENSOR SIZE	DIMENSIONS (inches)					WT. (lbs.)
	A	B	C	D	E	
A	2.80	2.00	1.12	1.09	1.09	0.4
B	3.85	3.80	1.30	2.40	1.25	0.8
C	5.50	4.90	1.60	3.15	3.20	1.5
D	7.75	13.00	2.20	11.00	3.10	5.2

### LEAD LENGTHS

5A Models.....24", 14AWG, White (X1) & Black  
 0.1A Models.....72", 16AWG, Blk/Yel (X1) & Yellow  
 All Other Models.....72", 16AWG, White (X1) & Black



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