

SPLIT-CORE CURRENT TRANSFORMERS

MODEL CTY-

FEATURES

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

Now with UL Recognition



APPLICATIONS

- For use with Watt 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.

* 0.1A 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. These models are also suitable for use with WL50 series Watt/Watthour transducers.

** 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
1A Models 50A 0.2VA
100A 0.5VA
200A 1VA
Burden, Sensor Sizes B, C and D
1A and 5A Models 100A 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.

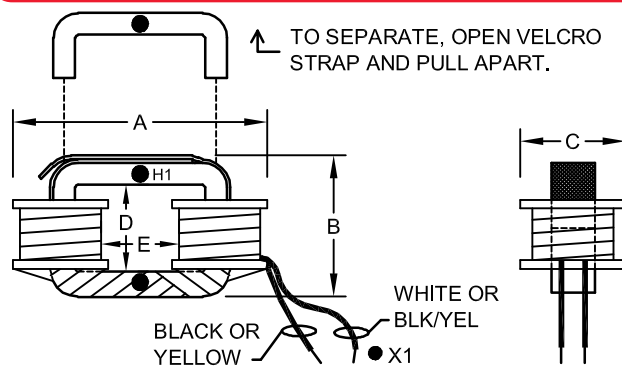
ACCURACY

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.

MECHANICAL

Operating Temperature 55°C Max.

SENSOR DIMENSIONS



Dwg# 0902-00878-B Rev --

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



National distributor ACLARA SUBMETERING products

4242 REYNOLDS DRIVE * HILLIARD, OHIO * 43026-1264
PHONE: (614) 777-1005 * FAX: (614) 777-4511
800-853-2537 WWW.OSCSUBMETERING.COM