

SPLIT-CORE AC CURRENT TRANSFORMERS

MODEL CTE

FEATURES

- 0.5% Metering Class, typical
- Split-core
- AC Inputs 50-300A
- AC Outputs 0.1A, 1A, 5A, 0.333V, 1V, 5V

LOW COST WITH US/CA/CE SAFETY



E134271

5 YEAR
WARRANTY



APPLICATIONS

- For use with OSC Watt transducers.
- Ideal for sub-metering applications.

Size A, B and Size C are UL Recognized.
Size D,E,F,G are UL Listed.

MODELS

INPUT AC AMPS	STANDARD OUTPUTS MODEL CTE-						SENSOR SIZE	CERTIFICATION
	0-0.1Aac	0-1Aac	0-5Aac	0-0.333Vac	0-1Vac	0-5Vac*		
50	50A-.1	50A-1	NA	50A-.3V	50A-1V	50A-5V	A	cURus CE
50	50B-.1	50B-1	50B-5	50B-.3V	50A-1V	50A-5V	B	
100	100B-.1	100B-1	100B-5	100B-.3V	100B-1V	100B-5V	B	
200	200B-.1	200B-1	200B-5	200B-.3V	200B-1V	200B-5V	B	
300	300B-.1	300B-1	300B-5	300B-.3V	300B-1V	300B-5V	B	
100	100C-.1	100C-1	100C-5	100C-.3V	100C-1V	100C-5V	C	
200	200C-.1	200C-1	200C-5	200C-.3V	200C-1V	200C-5V	C	
300	300C-.1	300C-1	300C-5	300C-.3V	300C-1V	300C-5V	C	
400	400C-.1	400C-1	400C-5	400C-.3V	400C-1V	400C-5V	C	
500	500C-.1	500C-1	500C-5	500C-.3V	500C-1V	500C-5V	C	
600	600C-.1	600C-1	600C-5	600C-.3V	600C-1V	600C-5V	C	cULus CE
200	200D-.1	200D-1	200D-5	200D-.3V	200D-1V	200D-5V	D	
300	300D-.1	300D-1	300D-5	300D-.3V	300D-1V	300D-5V	D	
400	400D-.1	400D-1	400D-5	400D-.3V	400D-1V	400D-5V	D	
500	500D-.1	500D-1	500D-5	500D-.3V	500D-1V	500D-5V	D	
600	600D-.1	600D-1	600D-5	600D-.3V	600D-1V	600D-5V	D	
500	500E-.1	500E-1	500E-5	500E-.3V	500E-1V	500E-5V	E	
600	600E-.1	600E-1	600E-5	600E-.3V	600E-1V	600E-5V	E	
800	800E-.1	800E-1	800E-5	800E-.3V	800E-1V	800E-5V	E	
1000	1000E-.1	1000E-1	1000E-5	1000E-.3V	1000E-1V	1000E-5V	E	
800	800F-.1	800F-1	800F-5	800F-.3V	800F-1V	800F-5V	F	
1000	1000F-.1	1000F-1	1000F-5	1000F-.3V	1000F-1V	1000F-5V	F	
1200	1200F-.1	1200F-1	1200F-5	1200F-.3V	1200F-1V	1200F-5V	F	
1500	1500F-.1	1500F-1	1500F-5	1500F-.3V	1500F-1V	1500F-5V	F	
1000	1000G-.1	1000G-1	1000G-5	1000G-.3V	1000G-1V	1000G-5V	G	
1500	1500G-.1	1500G-1	1500G-5	1500G-.3V	1500G-1V	1500G-5V	G	
2000	2000G-.1	2000G-1	2000G-5	2000G-.3V	2000G-1V	2000G-5V	G	
2500	2500G-.1	2500G-1	2500G-5	2500G-.3V	2500G-1V	2500G-5V	G	
3000	3000G-.1	3000G-1	3000G-5	3000G-.3V	3000G-1V	3000G-5V	G	

* 5Vac output models are not UL Recognized or UL listed.

OSC *OhioSemitronics, Ca.*

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SPLIT-CORE AC CURRENT TRANSFORMERS

MODEL CTE

SPECIFICATIONS

For use over insulated conductors only!

INPUT

Current See Table
Over-current 1.2 X Rating
Frequency Range (A,*B,C,F,G)..... 50-400Hz
(D,E,*CTE-50B)..... 50-60Hz

OUTPUT

Signal See Table
Burden
1.0A Output (A,B,C,D)..... 0.1 -2.5VA
(E,F,G)..... 2.5 - 5.0VA
5.0 Output..... (B,C,D)..... 0.1-5.0VA
(E,F,G)..... 5.0-10.0VA
Loading
0.1A Output (All Sizes)..... 10Ω
0.333A Output (A,B,C)..... 3.3-20Ω
(D,E,F,G)..... 3.3Ω
1.0V Output (A,B,C)..... 10-50Ω
(D,E,F,G)..... 10Ω
5.0V Output (A,B,C,D)..... 100-200Ω
(E,F,G)..... 50-100Ω

DIELECTRIC TEST

Input to Output (A,B,C)..... 4.0KV, 1min.
(D,E,F,G)..... 7.4kV, 1min.

ACCURACY

CTE-50B-5.....5.0 metering class
CTE-100B-5,CTE-100C-5.....3.0 metering class
All other Models0.5 metering class

TEMPERATURE OPERATING RANGE-40 TO +60°C

SECONDARY LEAD RATINGS

AC Outputs	Wire Gauge	Colors	Cable Length
0.1A	18-24AWG	White S1/k & Black	72"
1.0A	18AWG	(Red or White) S1/k & Black	40"
5.0A	16AWG	(Red or White) S1/k & Black	40"
0.333V	18-24AWG	White S1/k & Black	40"
1.0V	18-24AWG	White S1/k & Black	40"
5.0V	18-24AWG	White S1/k & Black	40"

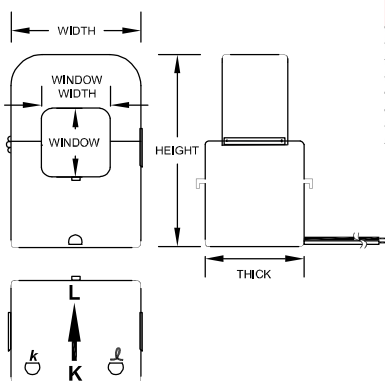
ORDERING INFORMATION

Example: 100A Input, with a 0.333Vac Output. Sensor Size B
CTE-100B-.3V

SENSOR Size	Dimensions in Inches (mm)					Weight
	Height	Width	Thick	Window		
A	1.81 (46)	1.24 (31.5)	1.24 (31.5)	0.63 (16)	0.63 (16)	0.22 (100)
B	2.62 (66.5)	1.77 (45)	1.35 (34.4)	0.94 (23.8)	0.94 (23.8)	0.40 (180)
C	3.21 (81.5)	2.24 (57)	1.51 (38.4)	1.41 (35.7)	1.41 (35.7)	0.77 (350)
D	4.64 (117.9)	3.62 (92)	1.02 (26)	1.57 (40)	1.57 (40)	0.77 (350)
E	5.72 (145.2)	4.25 (108)	1.10 (28)	2.16 (55)	2.16 (55)	0.97 (440)
F	7.17 (182)	5.51 (140)	1.10 (28)	3.14 (80)	3.14 (80)	1.54 (699)
G	9.13 (232)	6.46 (164)	1.72 (43.8)	6.3 (160)	3.15 (80)	4.85 (2200)

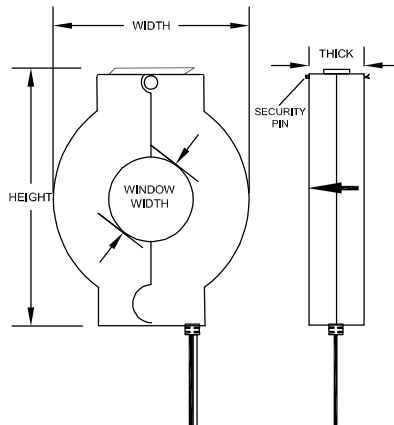
CASE DIMENSIONS

SENSOR SIZE A, B, C

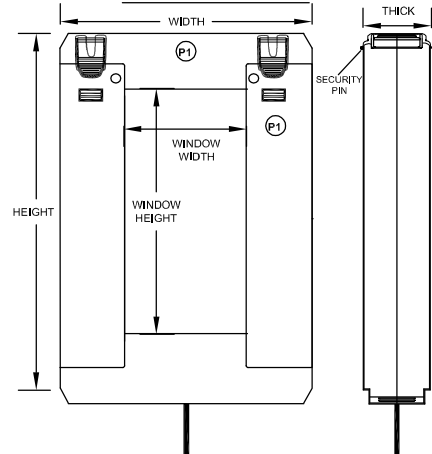


Dwg# 0902-01100-B Rev -A

SENSOR SIZE D, E, F



SENSOR SIZE G



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