



# SPLIT-CORE CURRENT TRANSFORMER CTX SERIES

0.25% Linearity

## DESCRIPTION

The CTX Series of current transducers were designed to provide highly repeatable ac current measurements when the units are removed and clamped on an existing power circuit.

A current-to-voltage converter is used in each unit so that open circuit protection is provided. No shock can occur if the output circuit is opened.

Each unit is individually calibrated to provide an overall accuracy of 0.5% and a linearity of 0.25%.

There are 12 standard models available with current ranges of zero to 50 through 1000 amperes.



## INSTALLATION

Before installing, turn off all associated power sources. Separate the transformer by placing your fingers on each half and pull apart. Place the largest side around the bus and insert the interleaved side back into the case of the transformer.

## CTX OUTLINE TABLE

MODELS	CURRENT AC	OUTPUT VAC *	COLOR	A	B	C	D	WT. - LBS.
CTX - 50S	50	5	BLUE	1 1/16	2 1/2	1	7/16	0.35
CTX - 100S	100	5	BLACK	1 1/16	2 1/2	1	7/16	0.35
CTX - 200S	200	5	YELLOW	2 1/8	3 1/8	1 1/4	7/8	0.80
CTX - 300S	300	5	YELLOW	2 1/8	3 1/8	1 1/4	7/8	0.80
CTX - 400S	400	5	RED	2 1/2	3 3/8	1 1/4	1 1/4	0.9
CTX - 500S	500	5	RED	2 1/2	3 3/8	1 1/4	1 1/4	0.9
CTX - 600S	600	5	BLACK	3 1/4	3 3/4	1 1/16	1.6 X 2.0	1.2
CTX - 600XLS	600	5	GREEN	4 1/8	4 5/8	1 1/16	2 1/2 X 2 3/4	1.5
CTX - 800S	800	5	BLACK	3 1/4	3 3/4	1 1/16	1.6 X 2.0	1.2
CTX - 800XLS	800	5	GREEN	4 1/8	4 5/8	1 1/16	2 1/2 X 2 3/4	1.5
CTX - 1000S	1000	5	BLACK	3 1/4	3 3/4	1 1/16	1.6 X 2.0	1.2
CTX - 1000XLS	1000	5	GREEN	4 1/8	4 5/8	1 1/16	2 1/2 X 2 3/4	1.5

### OUTPUT OPTIONS AVAILABLE

OPTION	Y13	.333Vac
OPTION	Y05	1.000Vac
OPTION	Y03	2.000Vac
OPTION	Y14	3.000Vac

### ORDERING INFORMATION

Example 50A with .333Vac output

CTX-50SY13

**OHIO SEMITRONICS, INC.**

4242 REYNOLDS DRIVE HILLIARD, OHIO 43026-1264  
Phone: (614) 777-1005 FAX: (614) 777-4511  
TO PLACE AN ORDER: 1-800-537-6732

CTX 3/29/00

# SPECIFICATIONS AND DIMENSIONS FOR CTX SERIES

**INPUT**

CURRENT: See Outline Table

**OUTPUT**

**ACCURACY:  $\pm 0.5\%$  F.S.**  
(Includes set point and linearity)

**LINEARITY:  $\pm 0.25\%$  F.S.**  
SIGNAL: 0 - 5Vac (standard)

**LOAD ON OUTPUT FOR  $< .1\%$  CHG.**

50A - 100A  $> 400K\Omega$   
200A - 1000A  $> 75K\Omega$

**CONSTRUCTION**

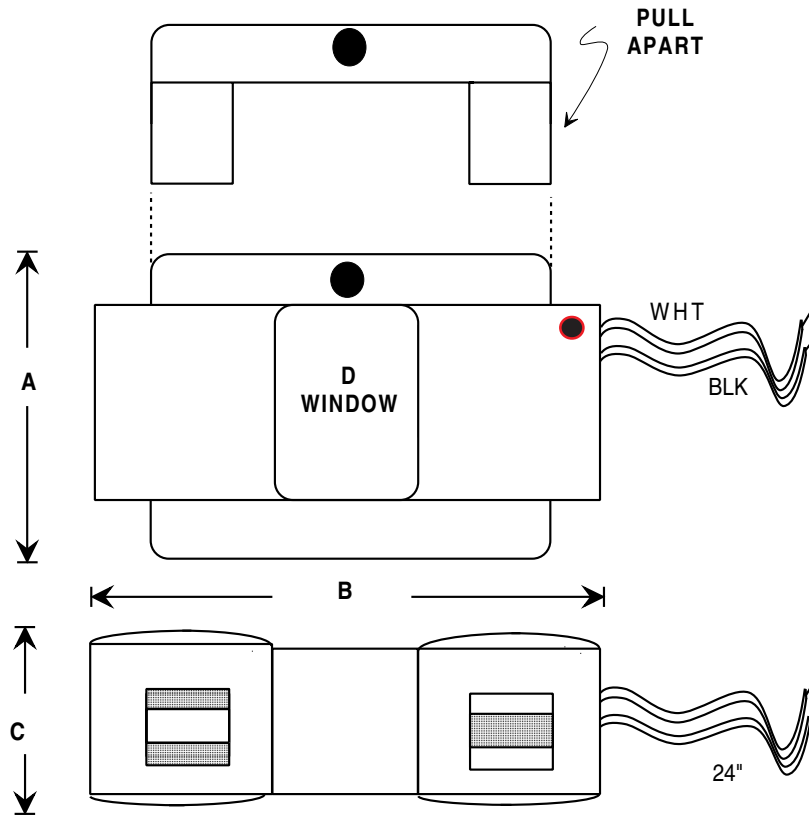
Interleave laminations with durable dipped plastic coating.

**COLOR**

Color coated for current range and size.

**AVAILABLE OUTPUT OPTIONS**

Y13	.333Vac
Y05	1.000Vac
Y03	2.000Vac
Y14	3.000Vac



**Leads 24"**  
**(XLS Models 72")**