

SPLIT-CORE CURRENT TRANSFORMER

MODEL CTY

0.25% Linearity
Low Cost

DESCRIPTION

The CTY Series of current transformers are designed to provide highly repeatable ac current measurement. The split-core design makes installation on an existing circuit simple.

The output of the CTY is 2Vac which is proportional to the current input. The voltage output is developed through a current-to-voltage convertor which also provides open circuit overvoltage protection not available on most current output transformers.

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

There are seven models available with current ranges of zero to 50, 100, 200, 300, 400, 500 or 600 amperes.

INSTALLATION

Before installing, turn off all associated power sources. Separate the transformer by opening the Velcro strap.

MODEL	AC CURRENT	OUTPUT	*LOAD	A	B	C	D	E	WT. LBS.
CTY-050-2	50	2 Vac	120	2.8	1.7	1.1	.9	.9	.4
CTY-100-2	100	2 Vac	60	2.8	1.7	1.1	.9	.9	.4
CTY-200-2	200	2 Vac	40	3.7	3.6	1.2	2.4	1.6	.8
CTY-300-2	300	2 Vac	27	3.7	3.6	1.2	2.4	1.6	.8
CTY-400-2	400	2 Vac	20	3.7	3.6	1.2	2.4	1.6	.8
CTY-500-2	500	2 Vac	20	3.7	3.6	1.2	2.4	1.6	.8
CTY-600-2	600	2 Vac	17	3.7	3.6	1.2	2.4	1.6	.8

* Internal load in ohms. Larger window openings are available - consult factory.

SPECIFICATIONS

INPUT:
CURRENT: See Table

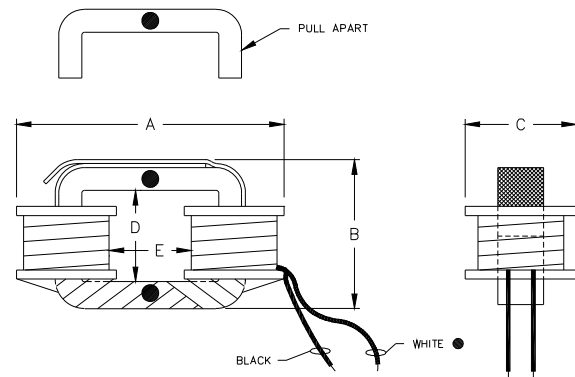
OUTPUT:
ACCURACY: ± 0.5% F.S.
(Includes setpoint and linearity)

LINEARITY: ± 0.25% F.S.
SIGNAL: 0 - 2Vac

LOAD ON OUTPUT FOR less than 0.1% CHANGE:

50A:	greater than 120K ohms
100A:	greater than 60K ohms
200A & Up:	greater than 40K ohms

DIMENSIONS



NOTES:
1. LEAD LENGTH - 120"
2. DIMENSION IN INCHES

MODELS CTY-	A	B	C	D	E	WT lbs
50A THRU 100A	2.75	1.70	1.12	0.90	0.90	0.4
200A THRU 600A	3.65	3.60	1.20	2.40	1.60	0.8