

Models CTU-025L, CTU-050L, CTU-100L

INPUT

Current Range See table
 Over range (w/o damage) 10xRange
 Frequency Range dc-3KHz

OUTPUT

Type See table
 Loading $\geq 2K\Omega$

ACCURACY (setpoint, linearity, repeatability @ dc) CTU-100Lx $\pm 0.5\%$ FS
 CTU-050Lx $\pm 1.0\%$ FS
 CTU-025Lx $\pm 2.0\%$ FS
 Zero Offset $\leq \pm 40mV$

TEMPERATURE EFFECT

Standard 0°C to +40°C $\pm 1.0\%$ FS
 Option "T" -40°C to +60°C $\pm 0.04\% / ^\circ C$

DIELECTRIC TEST

Conductor through window to Output Standard 2200Vac
 Instrument Power to Output Standard, Option "12", Option "15" 600Vdc
 * Option "212", Option "215" None
 * No isolation - Instrument Power to Output

INSTRUMENT POWER

Standard 24Vac/dc, $\pm 15\%$
 Option "12" 12Vdc, $\pm 10\%$
 Option "15" 15Vdc, $\pm 10\%$
 * Option "212" $\pm 12Vdc, \pm 10\%$
 * Option "215" $\pm 15Vdc, \pm 10\%$
 Current (all versions) $\leq 25mA$

DIMENSIONS Sensor size B

OPTIONS

(add letter suffix to model number)
 R = Ruggedized (potted)
 T = Extended temperature range

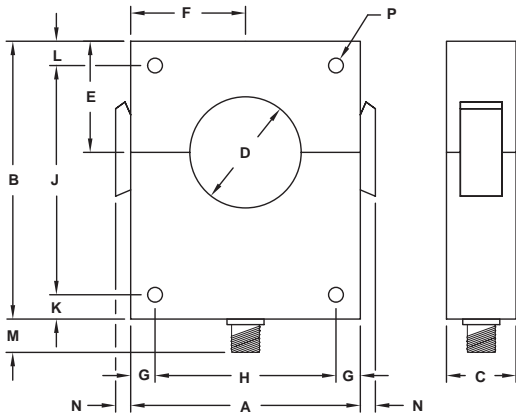
Refer also to Instrument Power Section for additional options.

INPUT CURRENT	STANDARD MODELS	
	$\pm 5V$ Output	$\pm 10V$ Output
0 - $\pm 25A$	CTU-025LX5	CTU-025LD
0 - $\pm 50A$	CTU-050LX5	CTU-050LD
0 - $\pm 100A$	CTU-100LX5	CTU-100LD

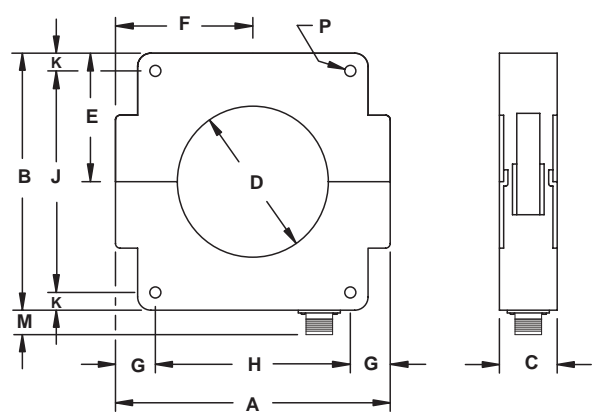
ORDERING INFORMATION
 Example: Input = 0 - $\pm 100A$, Output = 0 - $\pm 10V$
 Temperature Range = -40°C to +60°C
 15Vdc Instrument Power
CTU-100LDT15

OSI CASE DIMENSIONS & CONNECTIONS MODEL CTU-xxxLx

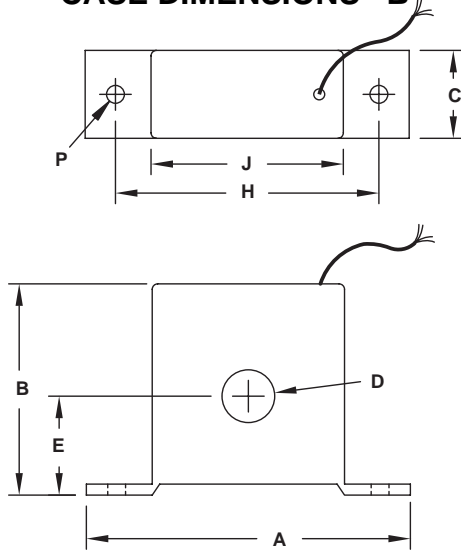
CASE DIMENSIONS D & E



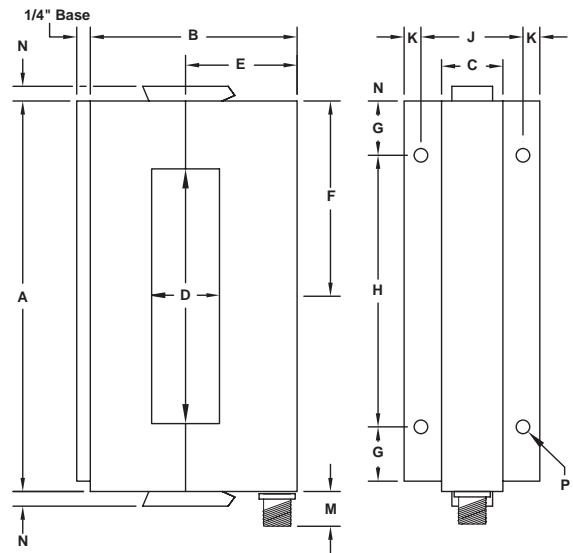
CASE DIMENSIONS F & EE



CASE DIMENSIONS B



CASE DIMENSIONS Z



Use Sensor Size D Cable Assembly for connections (22 AWG)

All Dimensions in Inches

SENS. SIZE	SENSOR DIMENSIONS														WT. LBS.
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	
B	23/16	29/16	1	5/8	15/32	NA	NA	2 3/4	2 3/16	NA	NA	NA	NA	3/16	.2
D	3 1/8	4	3/4	1 1/8	1 1/2	19/16	1/2	2 1/8	NA	1/2	NA	3/8	1/4	5/16	.75
E	4 1/8	5	1 1/4	2	2	2 1/16	7/16	3 1/4	3 1/4	7/16	7/16	5/8	5/16	17/64	2
F	5 3/8	5 1/4	1 5/8	2 1/4	2 5/8	2 11/16	1 1/16	3 1/4	4 1/8	9/16	NA	5/8	NA	1/4	2.8
EE	6 1/4	7 1/4	1 5/8	4 1/4	3 5/8	3 7/8	1/2	5 1/2	6 1/4	1/2	NA	5/8	NA	5/16	4.5
Z	7 3/16	3 3/4	1 1/8	1 1/4 X 4 1/2	2 1/16	3 1/2	1	5	1 7/8	5/16	NA	3/8	1/4	3/16	2.8

CABLE ASSEMBLY							
SENSOR SIZE D,Z				SENSOR SIZE E,EE,F			
Plastic Connector				Metal Connector			
8ft. Cable, 18AWG, Rubber jacket				8ft. Cable, 18AWG, Rubber jacket			
Pins	Leads			Pins	Leads		
1	WHITE	-	OUTPUT *	A	WHITE	-	OUTPUT *
2	GREEN	+		B	GREEN	+	
6	BLACK	COM		C	BLACK	COM	
8	RED	+24V	INPUT	D	RED	+24V	INPUT

**"Red Dot" side of transducer must face the most positive circuit point for output polarity as shown.

CTA800-P may be used as a power supply.