

CURRENT TRANSDUCERS

DC CURRENT TRANSDUCER

MODEL CTG

FEATURES / APPLICATIONS

- Non-Contact DC Measurement
- Split-Core Option
- Input/Output isolation
- Current Ranges 100A - 5000A DC
- Low DC Power Requirements



Rectangular Window Model (H)

Circular Window Model

Current Range	+10Vdc Output	+5Vdc Output	Sensor Size
0 - 100A	CTG-101	CTG-101X5	D**
0 - 200A	CTG-201	CTG-201X5	D**
0 - 300A	CTG-301	CTG-301X5	D**
0 - 400A	CTG-401	CTG-401X5	D**
0 - 500A	CTG-501	CTG-501X5	E
	CTG-501FS	CTG-501FSX5	F
	CTG-501H	CTG-501HX5	Z
0 - 600A	CTG-601	CTG-601X5	E
	CTG-601FS	CTG-601FSX5	F
	CTG-601H	CTG-601HX5	Z
0 - 800A	CTG-801	CTG-801X5	E
	CTG-801FS	CTG-801FSX5	F
	CTG-801H	CTG-801HX5	Z
0 - 1000A	CTG-102	CTG-102X5	E
	CTG-102FS	CTG-102FSX5	F
	CTG-102EES	CTG-102EESX5	EE
	CTG-102H	CTG-102HX5	Z
0 - 1500A	CTG-152	CTG-152X5	E
	CTG-152FS	CTG-152FSX5	F
	CTG-152EES	CTG-152EESX5	EE
	CTG-152H	CTG-152HX5	Z
0 - 2000A	CTG-202	CTG-202X5	E
	CTG-202FS	CTG-202FSX5	F
	CTG-202EES	CTG-202EESX5	EE
	CTG-202H	CTG-202HX5	Z
0 - 2500A	CTG-252	CTG-252X5	E
	CTG-252FS	CTG-252FSX5	F
	CTG-252EES	CTG-252EESX5	EE
0 - 3000A	CTG-302EES	CTG-302EESX5	EE
	CTG-302H	CTG-302HX5	Z
0 - 4000A	CTG-402H	CTG-402HX5	Z
0 - 5000A	CTG-502H	CTG-502HX5	Z

SPECIFICATIONS MODEL CTG-

INPUT

Current See Table DC/Peak AC
 Over Current Without Damage 10 times rating
 Instrument Power Operating Range ±13Vdc to ±18Vdc
 Instrument Current <±20mAdc
 Insulation 600Vac
 Dielectric Test (conductor through window/output) ... 2200Vac
 Sensor size "D" (split-core) 1000Vdc
 Frequency Response dc - 400Hz

OUTPUT

Signal ± 5V or ± 10V
 Bi-directional Yes
 Load on Output greater than 2K Ohm
 Response Typ. 500 microseconds
 Saturation Approx. 13.5V @ ±15Vdc inst. pwr.

ACCURACY & LINEARITY ±1.0% F.S.

Temp. Effects (0°C to 40°C) ±0.05%/°C
 Note: The output is proportional in direction and magnitude from the input current

AVAILABLE OPTIONS

- Power Supply ± 15Vdc PS-4753
- Split-Core Add the suffix "S" to the part number
- Extended Temp. Range (-20°C to +60°C)
 Add the suffix "T" to the part number

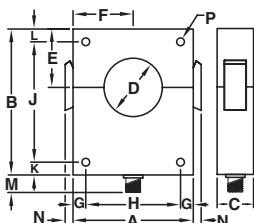
ORDERING INFORMATION

Example: 100A, Split-Core with a 5V Output
CTG-101SX5

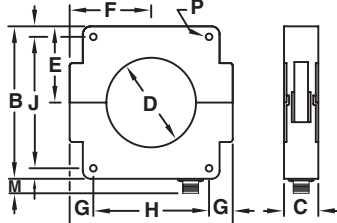
**Sensor size "D" split-core models are not UL listed.

DIMENSIONS

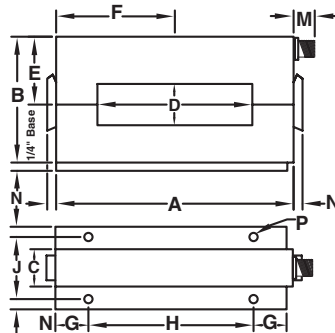
Case D & E



Case EE & F Split-Core



Case Z



CONNECTIONS

* For positive output, positive current cable through "Red Dot" side of sensor.

TABLE 1 SENSOR SIZES D, Z

Plastic Connector	
8' Rubber Cable	
Pins Leads	
1 WHITE	OUTPUT *
2 GREEN	+
6 BLACK	-15V
8 RED	+15V INPUT
1 WHITE	COM

TABLE 2 SENSOR SIZES E, EE, F

Metal Connector	
8' Rubber Cable	
Pins Leads	
A WHITE	OUTPUT *
B GREEN	+
C BLACK	-15V
D RED	+15V INPUT
A WHITE	COM

SENS. SIZE	SENSOR DIMENSIONS (INCHES)														WT. LBS.
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	
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	4 1/8	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	7 3/4	7 1/4	1 5/8	4 1/4	3 5/8	3 7/8	1 1/8	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

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