



IEEE 5-35kV Indoor CT

IEEE Indoor



CTW Series
 BIL up to 200kV
 Vacuum cast using polyurethane resin
 Special primary bars on some models
 Designed to meet C57.13
 UL Recognized & CSA Approved
 Some models IC Approved
 Typically installed in medium voltage switchgear

File Name	Title	Publish Date
CTW3T10	Model CTW3T10	08/11/2017
Model: CTW3-60-T10; Voltage Class: 5 kV, 60 kV BIL		
CTW3T50	Model CTW3T50	08/11/2017
Model: CTW3-60-T50, CTWH3-60-T50; Voltage Class: 5 kV, 60 kV BIL		
CTWH3T100	Model CTWH3T100	08/11/2017
Model: CTWH3-60-T100; Voltage Class: 5 kV, 60 kV BIL		
CTWH3AT90	Model CTWH3AT90	08/11/2017
Model: CTWH3-A-60-T90; Voltage Class 5kV, 60kV BIL; High Accuracy		
CTWH4T100	Model CTWH4T100	08/10/2017
Model: CTWH4-75-T100; Voltage Class: 8.7 kV, 75 kV BIL		
CTW5L	Model CTW5L	08/11/2017
Model: CTW5-L-110,CTWH5-L-110; Voltage Class: 15 kV, 110 kV BIL		
CTWH5T200	Model CTWH5T200	08/08/2017
Model: CTWH5-B-110-T200; Voltage Class: 15 kV, 110 kV BIL		
CTWH5AT150	Model CTWH5AT150	08/10/2017
Model: CTWH5-A-110-T150; Voltage Class 15kV, 110kV BIL; High Accuracy		
CTWH5S	Model CTWH5S	08/10/2017
Model: CTWH5-S-110; Voltage Class 15kV, 110kV BIL; High Momentary		
CTW6	Model CTW6	08/11/2017
Model: CTW6-125; Voltage Class: 25 kV, 125 kV BIL		
CTWH6	Model CTWH6	08/08/2017
Model: CTWH6-125-T200; Voltage Class: 25 kV, 125 kV BIL		

CTW7	Model CTW7	01/27/2010
Model: CTW7-150; Voltage Class: 34.5kV, 150 kV BIL		
CTWH7	Model CTWH7	08/08/2017
Model: CTWH7-150-T200; Voltage Class: 34.5 kV, 150 kV BIL		
CTO	Model CTO	08/11/2017
Model: CTO; 600 Volt Class Window Type. Cast Resin for MV Applications		
CTOR	Model CTOR	08/11/2017
Model: CTOR; 600 Volt Class Window Type. Vacuum cast polyurethane Resin for MV Applications		

[Datasheet starting on the following page.](#)

Model CTW3-60-T10

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

5.6 kV, BIL 60 kV.

Continuous Thermal Rating Factor

1.33 at 30 °C., 1.00 at 55 °C.

Specifications

Primary terminals are 3/8-16 bolts with one Belleville washer.

Secondary terminals are brass screws No. 10 -32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

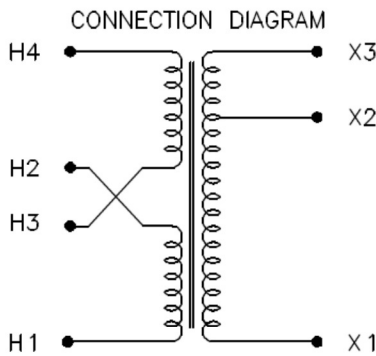
Approximate weight 16 lbs.



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI IEEE C57.13.



Model CTW3-60-T10

Line	Connect Primary to	Connect	Connect Secondary to
1	H1/H3 - H2/H4	H1 to H3 and H2 to H4	X1 - X3
2	H1/H3 - H2/H4	H1 to H3 and H2 to H4	X1 - X2
3	H1 - H4	H2 to H3	X1 - X3
4	H1 - H4	H2 to H3	X1 - X2

Model CTW3-60-T10

CAUTION: Use only the Belleville washers supplied. Tighten to between 13 to 15 foot-pounds. DO NOT OVERTIGHTEN

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz		Continuous Thermal Rating 1 Second	Connection Table Line
			B0.1	B0.2		
CTW3-60-T10-500X151DR	50:5A	T10	0.6	1.2	4,800	4
	75:5A	T20	0.6	0.6	4,800	3
	100:5A	T10	0.6	1.2	9,600	2
	150:5A	T20	0.6	0.6	9,600	1
CTW3-60-T10-201X601DR	200:5	T20	0.3	0.3	18,000	4
	300:5	T30*	0.3	0.3	18,000	3
	400:5	T20	0.3	0.3	36,000	2
	600:5	T30*	0.3	0.3	36,000	1

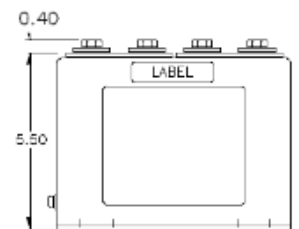
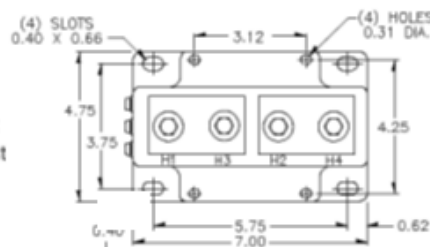
* T30 is based on a burden of 0.3 ohms, 50% power factor.

RECOMMENDED MINIMUM SPACINGS

A = Unit to Unit = 0.75 minimum.

B = HV to Ground in Air = 3.00 minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.



Models CTW3-60-T50 & CTWH3-60-T50

Wound Primary Current Transformers Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

5.6kV, BIL 60kV.

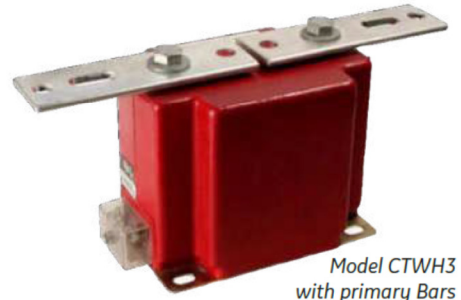
Continuous Thermal Rating Factor

1.5 at 30 °C., 1.33 at 55 °C.
150:5 and 600:5- 1.33 at 30 °C., 1.00 at 55 °C.
250:5- 1.00 at 30 °C., 0.85 at 55 °C.

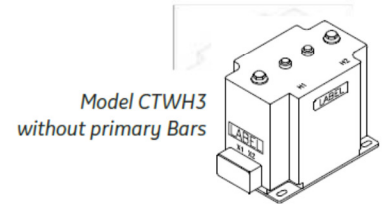
Primary terminals are 1/2-13 bolts with one Belleville washer. Secondary terminals are brass studs No. 10-32 with one flatwasher, lockwasher and regular nut.

Supplied with short circuiting secondary terminal cover. Vacuum cast polyurethane resin. Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 20 lbs.



Model CTWH3 with primary Bars



Model CTWH3 without primary Bars

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Models CTW3-60-T50 & CTWH3-60-T50

CAUTION: Use only the Belleville washers supplied. Tighten to between 25 to 30 foot-pounds. DO NOT OVERTIGHTEN

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTW3-60-T50-050	5:5	T50	0.3	0.3	0.3	0.6	1.2	375
CTW3-60-T50-100	10:5	T50	0.3	0.3	0.3	0.6	1.2	1,000
CTW3-60-T50-150	15:5	T50	0.3	0.3	0.3	0.6	1.2	1,690
CTW3-60-T50-200	20:5	T50	0.3	0.3	0.3	0.6	1.2	1,900
CTW3-60-T50-250	25:5	T50	0.3	0.3	0.3	0.6	1.2	2,700
CTW3-60-T50-300	30:5	T50	0.3	0.3	0.3	0.6	1.2	2,700
CTW3-60-T50-400	40:5	T50	0.3	0.3	0.3	0.6	1.2	4,720
CTW3-60-T50-500	50:5	T50	0.3	0.3	0.3	0.6	1.2	4,720
CTW3-60-T50-750	75:5	T50	0.3	0.3	0.3	0.6	1.2	8,630
CTW3-60-T50-101	100:5	T50	0.3	0.3	0.3	0.6	1.2	8,630
CTW3-60-T50-151	150:5	T50	0.3	0.3	0.3	0.6	1.2	14,380
CTW3-60-T50-201	200:5	T50	0.3	0.3	0.3	0.6	1.2	17,250
CTW3-60-T50-251	250:5	T50	0.3	0.3	0.3	0.6	1.2	17,250
CTW3-60-T50-301	300:5	T50	0.3	0.3	0.3	0.6	1.2	37,800
CTW3-60-T50-401	400:5	T50	0.3	0.3	0.3	0.6	1.2	37,800
CTW3-60-T50-501	500:5	T50	0.3	0.3	0.3	0.6	1.2	37,800
CTW3-60-T50-601	600:5	T50	0.3	0.3	0.3	0.6	1.2	37,800

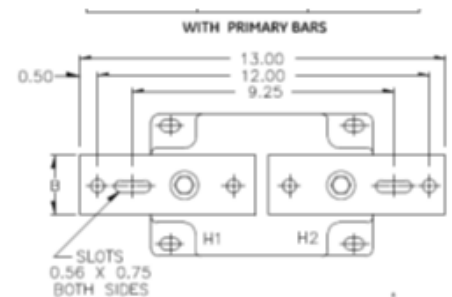
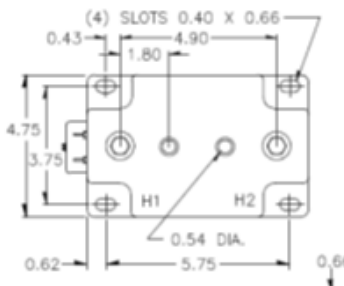
* For ordering with primary bars, change model number to CTWH3.

**With a burden of B0.1 or greater connected to the secondary

RECOMMENDED MINIMUM SPACINGS

A = Unit to Unit = 0.75" minimum.
B = HV to Ground in Air = 3.00" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.



Model CTWH3-60-T100

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

5.6 kV, BIL 60 kV.

Continuous Thermal Rating Factor

1.50 at 30 °C., 1.33 at 55 °C.

250:5, 1,000:5 and 1,200:5-
1.10 at 30 °C., 0.85 at 55 °C.

Specifications

Primary terminals are plated copper bars.
See chart next page for sizes. Secondary
terminals are brass screws No. 10-32 with
one flatwasher, lockwasher.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual
ratios are available. Refer to factory.

Approximate weight 41 lbs



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH3-60-T100

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTWH3-60-T100-050	5:5	T100	0.3	0.3	0.3	0.3	0.3	470
CTWH3-60-T100-100	10:5	T100	0.3	0.3	0.3	0.3	0.3	900
CTWH3-60-T100-150	15:5	T100	0.3	0.3	0.3	0.3	0.3	1,600
CTWH3-60-T100-200	20:5	T100	0.3	0.3	0.3	0.3	0.3	1,900
CTWH3-60-T100-250	25:5	T100	0.3	0.3	0.3	0.3	0.3	2,600
CTWH3-60-T100-300	30:5	T100	0.3	0.3	0.3	0.3	0.3	2,900
CTWH3-60-T100-400	40:5	T100	0.3	0.3	0.3	0.3	0.3	3,800
CTWH3-60-T100-500	50:5	T100	0.3	0.3	0.3	0.3	0.3	4,700
CTWH3-60-T100-750	75:5	T100	0.3	0.3	0.3	0.3	0.3	5,900
CTWH3-60-T100-101	100:5	T100	0.3	0.3	0.3	0.3	0.3	8,600
CTWH3-60-T100-151	150:5	T100	0.3	0.3	0.3	0.3	0.3	12,900
CTWH3-60-T100-201	200:5	T100	0.3	0.3	0.3	0.3	0.3	17,200
CTWH3-60-T100-251	250:5	T100	0.3	0.3	0.3	0.3	0.3	17,200
CTWH3-60-T100-301	300:5	T100	0.3	0.3	0.3	0.3	0.3	34,500
CTWH3-60-T100-401	400:5	T100	0.3	0.3	0.3	0.3	0.3	34,000
CTWH3-60-T100-601	600:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH3-60-T100-801	800:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH3-60-T100-102	1,000:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH3-60-T100-122	1,200:5	T100	0.3	0.3	0.3	0.3	0.3	66,200

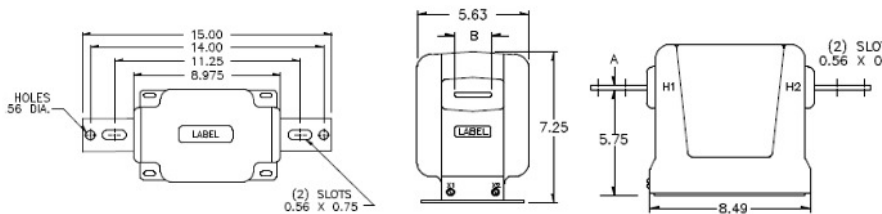
*With a burden of BO.1 or greater connected to the secondary.

RECOMMENDED MINIMUM SPACINGS

A = Unit to Unit = 0.75" minimum.

B = HV to Ground in Air = 3.00" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.



Model CTWH3-A-60-T90

Wound Primary Current Transformer Medium Voltage

Application

High accuracy metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

5.6 kV, BIL 60 kV.

Continuous Thermal Rating Factor

1.33 at 30 °C., 1.0 at 55 °C.
400:5-
1.10 at 30 °C., 0.85 at 55 °C.

Specifications

Primary terminals are plated copper bars. See chart next page for sizes. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

Vacuum cast in polyurethane resin. Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 41 lbs



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH3-A-60-T90

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTWH3-A-60-T90-050	5:5	T90	0.1	0.1	0.1	0.1	0.2	470
CTWH3-A-60-T90-100	10:5	T90	0.1	0.1	0.1	0.1	0.2	900
CTWH3-A-60-T90-150	15:5	T90	0.1	0.1	0.1	0.1	0.2	1,700
CTWH3-A-60-T90-200	20:5	T90	0.1	0.1	0.1	0.1	0.2	1,920
CTWH3-A-60-T90-250	25:5	T90	0.1	0.1	0.1	0.1	0.2	2,600
CTWH3-A-60-T90-300	30:5	T90	0.1	0.1	0.1	0.1	0.2	2,900
CTWH3-A-60-T90-400	40:5	T90	0.1	0.1	0.1	0.1	0.2	3,700
CTWH3-A-60-T90-500	50:5	T90	0.1	0.1	0.1	0.1	0.2	4,700
CTWH3-A-60-T90-750	75:5	T90	0.1	0.1	0.1	0.1	0.2	5,800
CTWH3-A-60-T90-101	100:5	T90	0.1	0.1	0.1	0.1	0.2	8,600
CTWH3-A-60-T90-151	150:5	T90	0.1	0.1	0.1	0.1	0.2	12,900
CTWH3-A-60-T90-201	200:5	T90	0.1	0.1	0.1	0.1	0.2	18,000
CTWH3-A-60-T90-301	300:5	T90	0.1	0.1	0.1	0.1	0.2	28,200
CTWH3-A-60-T90-401	400:5	T90	0.1	0.1	0.1	0.1	0.2	34,000
CTWH3-A-60-T90-601	600:5	T90	0.1	0.1	0.1	0.1	0.2	51,500

*With a burden of BO.1 or greater connected to the secondary.

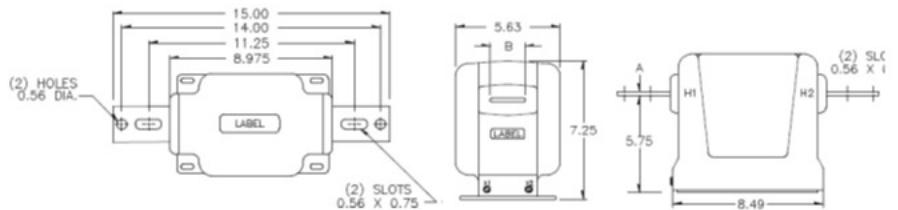
RECOMMENDED MINIMUM SPACINGS

A = Unit to Unit = 0.75" minimum.
B = HV to Ground in Air = 3.00" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
5 to 200 A	0.25	1.50
250 to 1,200 A	0.38	2.00



Model CTWH4-75-T100

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual ratios are available. Refer to factory.

Frequency

50-400 Hz

Approximate weight 42 lbs

Maximum System Voltage

9.52 kV, BIL 75 kV.

Continuous Thermal Rating Factor

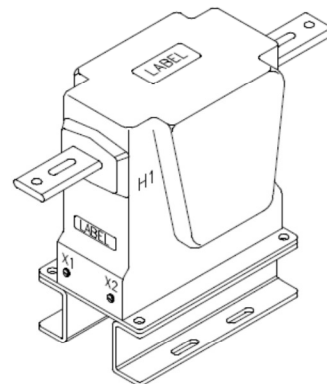
1.50 at 30 °C., 1.33 at 55 °C.

Specifications

Primary terminals are plated copper bars.
See chart next page for sizes. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

250:5 and 1,000:5-
1.10 at 30 °C., 0.85 at 55 °C.

1,000:5-
1.0 at 30 °C., 0.75 at 55 °C.



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH4-75-T100

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTWH4-75-T100-050	5:5	T100	0.3	0.3	0.3	0.3	0.3	470
CTWH4-75-T100-100	10:5	T100	0.3	0.3	0.3	0.3	0.3	900
CTWH4-75-T100-150	15:5	T100	0.3	0.3	0.3	0.3	0.3	1,600
CTWH4-75-T100-200	20:5	T100	0.3	0.3	0.3	0.3	0.3	1,900
CTWH4-75-T100-250	25:5	T100	0.3	0.3	0.3	0.3	0.3	2,600
CTWH4-75-T100-300	30:5	T100	0.3	0.3	0.3	0.3	0.3	2,900
CTWH4-75-T100-400	40:5	T100	0.3	0.3	0.3	0.3	0.3	3,800
CTWH4-75-T100-500	50:5	T100	0.3	0.3	0.3	0.3	0.3	4,700
CTWH4-75-T100-750	75:5	T100	0.3	0.3	0.3	0.3	0.3	5,900
CTWH4-75-T100-101	100:5	T100	0.3	0.3	0.3	0.3	0.3	8,600
CTWH4-75-T100-151	150:5	T100	0.3	0.3	0.3	0.3	0.3	12,900
CTWH4-75-T100-201	200:5	T100	0.3	0.3	0.3	0.3	0.3	17,200
CTWH4-75-T100-251	250:5	T100	0.3	0.3	0.3	0.3	0.3	17,200
CTWH4-75-T100-301	300:5	T100	0.3	0.3	0.3	0.3	0.3	34,500
CTWH4-75-T100-401	400:5	T100	0.3	0.3	0.3	0.3	0.3	34,500
CTWH4-75-T100-601	600:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH4-75-T100-801	800:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH4-75-T100-102	1,000:5	T100	0.3	0.3	0.3	0.3	0.3	66,200
CTWH4-75-T100-122	1,200:5	T100	0.3	0.3	0.3	0.3	0.3	66,200

*With a burden of B0.1 or greater connected to the secondary.

RECOMMENDED MINIMUM SPACINGS

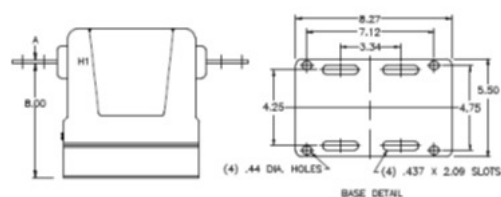
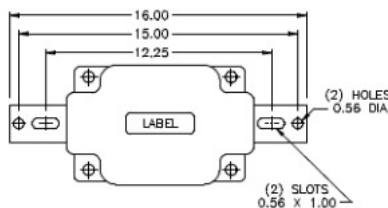
A = Unit to Unit = 1.00" minimum.

B = HV to Ground in Air = 4.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
5 to 200 A	0.25	1.50
250 to 1,200 A	0.38	2.00



Models CTW5-L-110 & CTWH5-L-110

Wound Primary Current Transformers Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

15.5 kV, BIL 110 kV.

Continuous Thermal Rating Factor

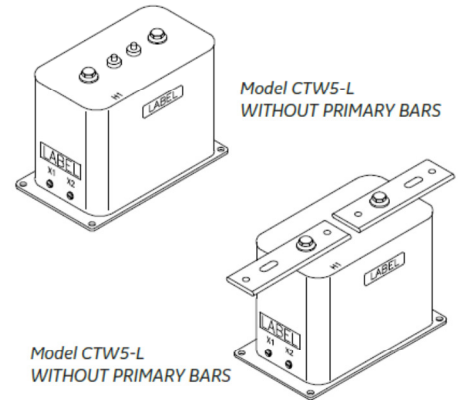
1.00 at 30 °C., 0.85 at 55 °C.

Specifications

Primary terminals are 1/2-13 bolts with one Belleville washer. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 34 lbs.



REGULATORY AGENCY APPROVALS



Models CTW5-L-110 & CTWH5-L-110

CAUTION: Use only the Belleville washers supplied. Tighten to between 25 to 30 foot-pounds. DO NOT OVERTIGHTEN

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTW5-L-110-T20-050	5:5	T20	0.3	0.3	0.6	1.2	2.4	375
CTW5-L-110-T20-100	10:5	T20	0.3	0.3	0.6	1.2	2.4	590
CTW5-L-110-T20-150	15:5	T20	0.3	0.3	0.6	1.2	2.4	1,200
CTW5-L-110-T20-250	25:5	T20	0.3	0.3	0.6	1.2	2.4	1,700
CTW5-L-110-T20-300	30:5	T20	0.3	0.3	0.6	1.2	2.4	1,700
CTW5-L-110-T20-400	40:5	T20	0.3	0.3	0.6	1.2	2.4	2,400
CTW5-L-110-T20-500	50:5	T20	0.3	0.3	0.6	1.2	2.4	4,715
CTW5-L-110-T20-750	75:5	T25	0.3	0.3	0.6	1.2	2.4	4,715
CTW5-L-110-T20-101	100:5	T25	0.3	0.3	0.6	1.2	2.4	8,625
CTW5-L-110-T20-151	150:5	T25	0.3	0.3	0.6	1.2	2.4	11,500
CTW5-L-110-T20-201	200:5	T30	0.3	0.3	0.6	1.2	2.4	11,500
CTW5-L-110-T20-251	250:5	T20	0.3	0.3	0.6	1.2	2.4	21,700
CTW5-L-110-T20-301	300:5	T25	0.3	0.3	0.6	1.2	2.4	21,700
CTW5-L-110-T20-401	400:5	T30	0.3	0.3	0.6	1.2	2.4	44,700
CTW5-L-110-T20-501	500:5	T35	0.3	0.3	0.3	0.6	1.2	44,700
CTW5-L-110-T20-601	600:5	T40	0.3	0.3	0.3	0.6	1.2	44,700

*For ordering with primary bars, change model number to CTWH5-L.
A test card is provided with each unit.

RECOMMENDED MINIMUM SPACINGS

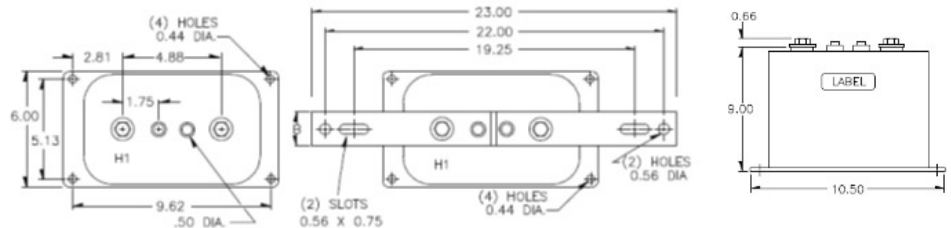
A = Unit to Unit = 2.00" minimum.

B = HV to Ground in Air = 6.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
5 to 200 A	0.25	1.50
250 to 1,200A	0.38	2.00



Model CTWH5-B-110-T200**

Wound Primary Current Transformer Medium Voltage

Application

High accuracy metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

15.5 kV, BIL 110 kV.

Continuous Thermal Current Rating Factor

5:5 thru 600:5-
1.50 at 30 °C., 1.33 at 55 °C.

800:5 and over-
1.0 at 30 °C., 0.8 at 55 °C.

Specifications

Primary terminals are plated copper bars.
See chart next page for sizes. Secondary
terminals are brass screws No. 10-32 with
one flatwasher, lockwasher.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual
ratios are available. Refer to factory.

Approximate weight 76 lbs



REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH5-B-110-T200**

Catalog Number**	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					*** Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTWH5-B-110-T200-050	5:5	T200	0.3	0.3	0.3	0.3	0.3	470
CTWH5-B-110-T200-100	*10:5	T200	0.3	0.3	0.3	0.3	0.3	950
CTWH5-B-110-T200-150	*15:5	T200	0.3	0.3	0.3	0.3	0.3	1440
CTWH5-B-110-T200-200	*20:5	T200	0.3	0.3	0.3	0.3	0.3	1840
CTWH5-B-110-T200-250	*25:5	T200	0.3	0.3	0.3	0.3	0.3	2670
CTWH5-B-110-T200-300	*30:5	T200	0.3	0.3	0.3	0.3	0.3	2920
CTWH5-B-110-T200-400	*40:5	T200	0.3	0.3	0.3	0.3	0.3	3700
CTWH5-B-110-T200-500	*50:5	T200	0.3	0.3	0.3	0.3	0.3	4700
CTWH5-B-110-T200-750	*75:5	T200	0.3	0.3	0.3	0.3	0.3	7575
CTWH5-B-110-T200-101	*100:5	T200	0.3	0.3	0.3	0.3	0.3	12,940
CTWH5-B-110-T200-151	*150:5	T200	0.3	0.3	0.3	0.3	0.3	14,375
CTWH5-B-110-T200-201	*200:5	T200	0.3	0.3	0.3	0.3	0.3	25,875
CTWH5-B-110-T200-301	*300:5	T200	0.3	0.3	0.3	0.3	0.3	27,520
CTWH5-B-110-T200-401	*400:5	T200	0.3	0.3	0.3	0.3	0.3	40,350
CTWH5-B-110-T200-601	*600:5	T200	0.3	0.3	0.3	0.3	0.3	66,225
CTWH5-B-110-T200-801	*800:5	T200	0.3	0.3	0.3	0.3	0.3	66,225
CTWH5-B-110-T200-102	*1,000:5	T200	0.3	0.3	0.3	0.3	0.3	66,225
CTWH5-B-110-T200-122	*1,200:5	T200	0.3	0.3	0.3	0.3	0.3	66,225

* All primary voltages marked with an (*) are approved for revenue metering in Canada by Industry Canada, Approval No. AE-0640 Rev.1.

** Replaces Model CTWH5-110-T200. A test card is provided with each unit.

*** With a burden of 0.35 Ohms or greater connected to the secondary.

RECOMMENDED MINIMUM SPACINGS

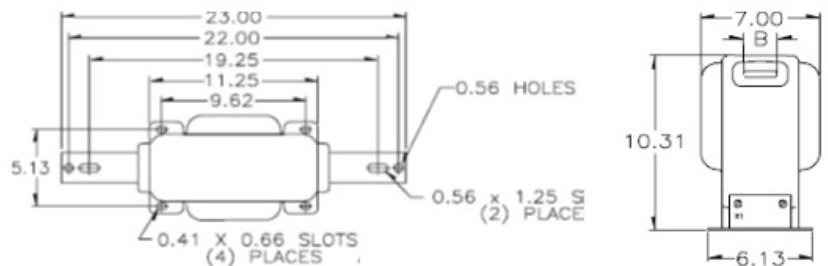
A = Unit to Unit = 1.50" minimum.

B = HV to Ground in Air = 6.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
5 to 200A	0.25	1.50
300 to 600A	0.38	2.00



Model CTWH5-A-110-T150

Wound Primary Current Transformer Medium Voltage

Application

High accuracy metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

15.5 kV, BIL 110 kV.

Continuous Thermal Current Rating Factor

1.33 at 30 °C., 1.0 at 55 °C.

Specifications

Primary terminals are 1/2-13 bolts with one Belleville washer. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 76 lbs



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH5-A-110-T150

Catalog Number**	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTWH5-A-110-T150-050	5:5	T150	0.1	0.1	0.1	0.1	0.2	470
CTWH5-A-110-T150-100	10:5	T150	0.1	0.1	0.1	0.1	0.2	950
CTWH5-A-110-T150-150	15:5	T150	0.1	0.1	0.1	0.1	0.2	1,440
CTWH5-A-110-T150-200	20:5	T150	0.1	0.1	0.1	0.1	0.2	1,840
CTWH5-A-110-T150-250	25:5	T150	0.1	0.1	0.1	0.1	0.2	2,670
CTWH5-A-110-T150-300	30:5	T150	0.1	0.1	0.1	0.1	0.2	2,920
CTWH5-A-110-T150-400	40:5	T150	0.1	0.1	0.1	0.1	0.2	3,700
CTWH5-A-110-T150-500	50:5	T150	0.1	0.1	0.1	0.1	0.2	4,700
CTWH5-A-110-T150-750	75:5	T150	0.1	0.1	0.1	0.1	0.2	7,575
CTWH5-A-110-T150-101	100:5	T150	0.1	0.1	0.1	0.1	0.2	12,940
CTWH5-A-110-T150-151	150:5	T150	0.1	0.1	0.1	0.1	0.2	14,375
CTWH5-A-110-T150-201	200:5	T150	0.1	0.1	0.1	0.1	0.2	25,875
CTWH5-A-110-T150-301	300:5	T150	0.1	0.1	0.1	0.1	0.2	27,520
CTWH5-A-110-T150-401	400:5	T150	0.1	0.1	0.1	0.1	0.2	40,350
CTWH5-A-110-T150-601	600:5	T150	0.1	0.1	0.1	0.1	0.2	66,225

*With a burden of 0.35 Ohms or greater connected to the secondary.

**A test card is provided with each unit.

RECOMMENDED MINIMUM SPACINGS

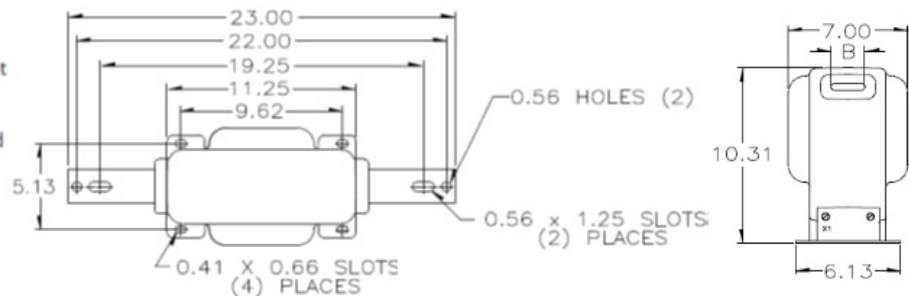
A = Unit to Unit = 1.50" minimum.

B = HV to Ground in Air = 6.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
5 to 200 A	0.25	1.50
300 to 600 A	0.38	2.00



Model CTWH5-S-110

Wound Primary Current Transformer Medium Voltage

Application

For switchgear, extra high short circuit strength.

Frequency

50-400 Hz.

Maximum System Voltage

15.5 kV, BIL 110 kV.

Continuous Thermal Current Rating Factor

5:5 thru 600:5 -
1.50 at 30 °C., 1.33 at 55 °C

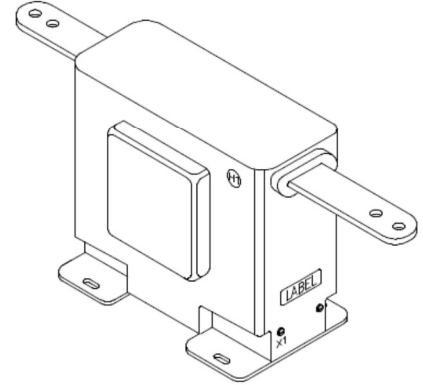
800:5 and over -
1.00 at 30 °C., 0.80 at 55 °C

Specifications

Primary terminals are plated copper bars.
See chart next page for sizes. Secondary terminals are brass screws No. 10-32 with one flatwasher, lockwasher.

Vacuum cast in polyurethane resin.
Other ratios, secondary currents and dual ratios are available. Refer to factory.

Approximate weight 75 lbs.



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH5-S-110

Catalog Number***	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					* Thermal Current Rating 1 Second RMS Amps	** Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8		
CTWH5-S-110-400	40:5	T20	1.2	-	-	-	-	49,000	10,200
CTWH5-S-110-500	50:5	T30	0.6	2.4	-	-	-	49,000	12,500
CTWH5-S-110-750	75:5	T45	0.6	1.2	2.4	-	-	49,000	11,800
CTWH5-S-110-101	100:5	T60	0.6	0.6	1.2	2.4	-	49,000	15,900
CTWH5-S-110-151	150:5	T100	0.3	0.3	0.6	1.2	2.4	49,000	23,900
CTWH5-S-110-201	200:5	T120	0.3	0.3	0.3	0.6	1.2	49,000	30,000
CTWH5-S-110-301	300:5	T100	0.3	0.3	0.3	1.2	2.4	66,200	47,800
CTWH5-S-110-401	400:5	T80	0.3	0.3	0.3	0.3	0.6	66,200	51,200
CTWH5-S-110-601	600:5	T100	0.3	0.3	0.3	0.3	0.3	66,200	60,000
CTWH5-S-110-801	800:5	T120	0.3	0.3	0.3	0.3	0.3	66,200	60,000
CTWH5-S-110-102	1,000:5	T150	0.3	0.3	0.3	0.3	0.3	66,200	66,200
CTWH5-S-110-122	1,200:5	T200	0.3	0.3	0.3	0.3	0.2	66,200	66,200

*With a burden of B0.2 or greater connected to the secondary.

**With secondary short circuited.

***A test card is provided with each unit.

RECOMMENDED MINIMUM SPACINGS

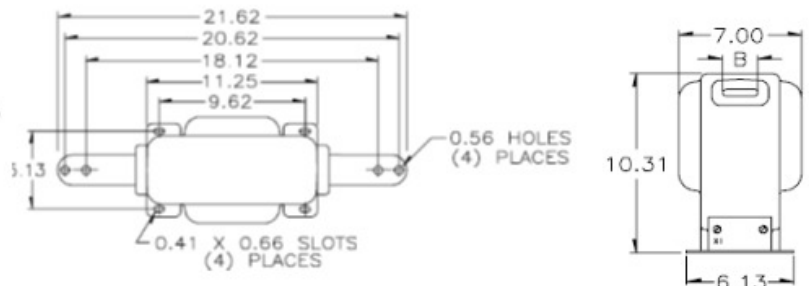
A = Unit to Unit = 1.50" minimum.

B = HV to Ground in Air = 6.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.

Bar Sizes

Primary Current	Dimensions	
	A	B
40 to 150 A	0.25	2.00
200 to 1,200 A	0.38	2.00



Model CTWH6-125-T200

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

25.5 kV, BIL 125 kV full wave.

Continuous Thermal Current Rating Factor

1.50 at 30 °C amb., 1.33 at 55 °C. amb.

2,000:5 - 1.33 at 30 °C. amb.,
1.00 at 55 °C. amb.

2,500:5 and 3,000:5 - 1.00 at 30 °C. amb.,
0.85 at 55 °C. amb.

Specifications

Primary terminals are plated copper bars, configured as specified.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Dual bars spacing is 1/2 inch.

Approximate weight 150 lbs.



REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH6-125-T200

Catalog Number**	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					* Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTWH6-125-T200-801-**	800:5	T200	0.3	0.3	0.3	0.3	0.3	87,000
CTWH6-125-T200-102-**	1,000:5	T200	0.3	0.3	0.3	0.3	0.3	133,000
CTWH6-125-T200-122-**	1,200:5	T200	0.3	0.3	0.3	0.3	0.3	133,000
CTWH6-125-T200-152-**	1,500:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH6-125-T200-202-**	2,000:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH6-125-T200-252-**	2,500:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH6-125-T200-302-**	3,000:5	T200	0.3	0.3	0.3	0.3	0.3	358,000

*With a burden of B0.1 or greater connected to the secondary.

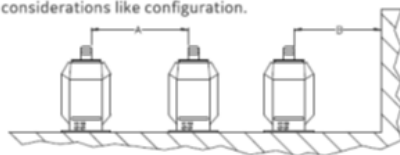
**Specify primary bus arrangement number (1 through 8).

RECOMMENDED MINIMUM SPACINGS

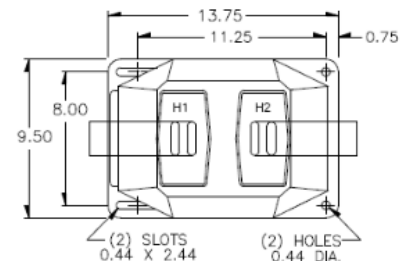
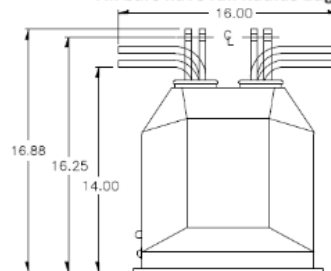
A = Unit to Unit = 8.50" minimum.

B = HV to Ground in Air = 8.50" minimum.

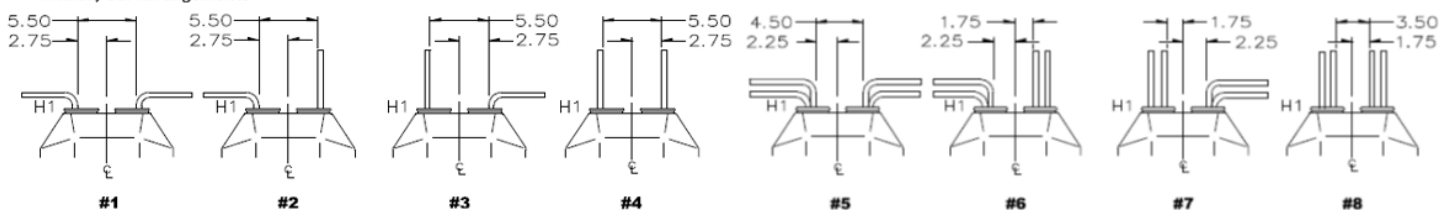
Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.



All bars have full Radius Edge



Primary Bar Arrangements



Model CTW6-125

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

25.5 kV, BIL 125 kV full wave.

Continuous Thermal Rating Factor

1.50 at 30 °C., 1.33 at 55 °C.

Primary terminals 1/2-13 bolts with one Belleville washer.

Secondary terminals are brass screws No. 10 -32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Approximate weight: T100 - 95 lbs.
T200 - 115 lbs.



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTW6-125

CAUTION: Use only the Belleville washers supplied. Tighten to between 25 to 30 foot-pounds. DO NOT OVERTIGHTEN

Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTW6-125-T100-100	10:5	T100	0.3	0.3	0.3	0.3	0.6	900*
CTW6-125-T100-150	15:5	T100	0.3	0.3	0.3	0.3	0.6	1,700*
CTW6-125-T100-250	25:5	T100	0.3	0.3	0.3	0.3	0.6	2,700*
CTW6-125-T100-500	50:5	T100	0.3	0.3	0.3	0.3	0.6	4,700*
CTW6-125-T100-750	75:5	T100	0.3	0.3	0.3	0.3	0.6	12,900*
CTW6-125-T100-101	100:5	T100	0.3	0.3	0.3	0.3	0.6	12,900*
CTW6-125-T100-151	150:5	T100	0.3	0.3	0.3	0.3	0.6	23,000*
CTW6-125-T100-201	200:5	T100	0.3	0.3	0.3	0.3	0.6	28,200*
CTW6-125-T100-301	300:5	T100	0.3	0.3	0.3	0.3	0.6	48,900*
CTW6-125-T100-401	400:5	T100	0.3	0.3	0.3	0.3	0.6	66,200*
CTW6-125-T100-601	600:5	T100	0.3	0.3	0.3	0.3	0.6	66,200*

*With a burden of B0.2 or greater connected to the secondary.

Model CTW6-125

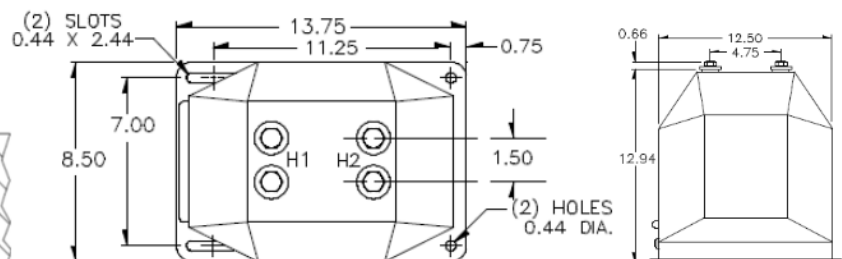
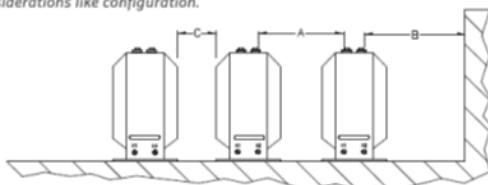
Catalog Number	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					** Thermal Current Rating 1 Second RMS Amps
			BO.1	BO.2	BO.5	BO.9	B1.8	
CTW6-125-T200-100	10:5	T200	0.3	0.3	0.3	0.3	0.3	900*
CTW6-125-T200-150	15:5	T200	0.3	0.3	0.3	0.3	0.3	1,700*
CTW6-125-T200-250	25:5	T200	0.3	0.3	0.3	0.3	0.3	2,700*
CTW6-125-T200-500	50:5	T200	0.3	0.3	0.3	0.3	0.3	4700*
CTW6-125-T200-750	75:5	T200	0.3	0.3	0.3	0.3	0.3	12,900*
CTW6-125-T200-101	100:5	T200	0.3	0.3	0.3	0.3	0.3	12,900*
CTW6-125-T200-151	150:5	T200	0.3	0.3	0.3	0.3	0.3	23,000*
CTW6-125-T200-201	200:5	T200	0.3	0.3	0.3	0.3	0.3	28,200*
CTW6-125-T200-301	300:5	T200	0.3	0.3	0.3	0.3	0.3	48,900*
CTW6-125-T200-401	400:5	T200	0.3	0.3	0.3	0.3	0.3	66,200*
CTW6-125-T200-601	600:5	T200	0.3	0.3	0.3	0.3	0.3	66,200*

**With a burden of B0.5 or greater connected to the secondary.

RECOMMENDED MINIMUM SPACINGS

A = HV to HV = 8.50" minimum.
B = HV to Ground in Air = 8.50" minimum.
C = Unit to Unit = 2.00" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.





Instrument Transformers, Inc.

a division of GE Multilin



Medium Voltage Current Transformer Model CTW7-150 Wound Primary CT

REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.



APPLICATION:
Metering and relaying.

FREQUENCY:
50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:
36.5kV, BIL 150kV full wave.

**CONTINUOUS THERMAL
CURRENT RATING FACTOR:**
1.50 at 30°C amb., 1.33 at 55°C amb.

Primary terminals are 1/2-13 bolts
with one Belleville washer.

Secondary terminals are brass screws No. 10-32
with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Approximate weight: T100 - 125 lbs.
T200 - 155 lbs.

Note: 200 kV BIL is available for 600:5 only.

CAUTION: Use only the Belleville washers supplied. Tighten to between 25 to 30 foot-pounds. DO NOT OVERTIGHTEN.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					THERMAL CURRENT RATING 1 SECOND RMS AMPS
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTW7-150-T100-100	10:5	T100	0.3	0.3	0.3	0.3	0.6	900*
CTW7-150-T100-150	15:5	T100	0.3	0.3	0.3	0.3	0.6	1700*
CTW7-150-T100-250	25:5	T100	0.3	0.3	0.3	0.3	0.6	2700*
CTW7-150-T100-500	50:5	T100	0.3	0.3	0.3	0.3	0.6	4700*
CTW7-150-T100-750	75:5	T100	0.3	0.3	0.3	0.3	0.6	12900*
CTW7-150-T100-101	100:5	T100	0.3	0.3	0.3	0.3	0.6	12900*
CTW7-150-T100-151	150:5	T100	0.3	0.3	0.3	0.3	0.6	23000*
CTW7-150-T100-201	200:5	T100	0.3	0.3	0.3	0.3	0.6	28200*
CTW7-150-T100-301	300:5	T100	0.3	0.3	0.3	0.3	0.6	48900*
CTW7-150-T100-401	400:5	T100	0.3	0.3	0.3	0.3	0.6	66200*
CTW7-150-T100-601	600:5	T100	0.3	0.3	0.3	0.3	0.6	66200*

*With a burden of B0.2 or greater connected to the secondary.

CTW7-150-T200-100	10:5	T200	0.3	0.3	0.3	0.3	0.3	900**
CTW7-150-T200-150	15:5	T200	0.3	0.3	0.3	0.3	0.3	1700**
CTW7-150-T200-250	25:5	T200	0.3	0.3	0.3	0.3	0.3	2700**
CTW7-150-T200-500	50:5	T200	0.3	0.3	0.3	0.3	0.3	4700**
CTW7-150-T200-750	75:5	T200	0.3	0.3	0.3	0.3	0.3	12900**
CTW7-150-T200-101	100:5	T200	0.3	0.3	0.3	0.3	0.3	12900**
CTW7-150-T200-151	150:5	T200	0.3	0.3	0.3	0.3	0.3	23000**
CTW7-150-T200-201	200:5	T200	0.3	0.3	0.3	0.3	0.3	28200**
CTW7-150-T200-301	300:5	T200	0.3	0.3	0.3	0.3	0.3	48900**
CTW7-150-T200-401	400:5	T200	0.3	0.3	0.3	0.3	0.3	66200**
CTW7-150-T200-601	600:5	T200	0.3	0.3	0.3	0.3	0.3	66200**

**With a burden of B0.5 or greater connected to the secondary.

Approved for revenue metering by Industry Canada No. AE-0637 Rev. 1

Model CTWH7-150-T200

Wound Primary Current Transformer Medium Voltage

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

36.5 kV, BIL 150 kV full wave.

Continuous Thermal Current Rating Factor

1.50 at 30 °C., 1.33 at 55 °C.

2,000:5 - 1.33 at 30 °C., 1.00 at 55 °C.

2,500:5 and 3,000:5 - 1.00 at 30 °C.,
0.85 at 55 °C.

Specifications

Primary terminals are plated copper bars,
configured as specified.

Secondary terminals are brass screws No.
10-32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Dual bars spacing is 1/2 inch.

Approximate weight 180 lbs.



Note: 200 kV BIL is available.
Except for 3,000:5 ratio.

REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.

Model CTWH7-150-T20

Catalog Number**	Current Ratio	Relay Class	ANSI Metering Class at 60 Hz					* Thermal Current Rating 1 Second RMS Amps
			B0.1	B0.2	B0.5	B0.9	B1.8	
CTWH7-150-T200-801-**	800:5	T200	0.3	0.3	0.3	0.3	0.3	87,000
CTWH7-150-T200-102-**	1,000:5	T200	0.3	0.3	0.3	0.3	0.3	133,000
CTWH7-150-T200-122-**	1,200:5	T200	0.3	0.3	0.3	0.3	0.3	133,000
CTWH7-150-T200-152-**	1,500:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH7-150-T200-202-**	2,000:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH7-150-T200-252-**	2,500:5	T200	0.3	0.3	0.3	0.3	0.3	266,000
CTWH7-150-T200-302-**	3,000:5	T200	0.3	0.3	0.3	0.3	0.3	358,000

*With a burden of B0.1 or greater connected to the secondary

**Specify primary bus arrangement number (1 through 8).

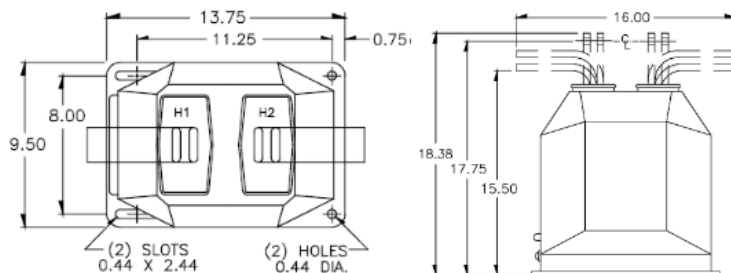
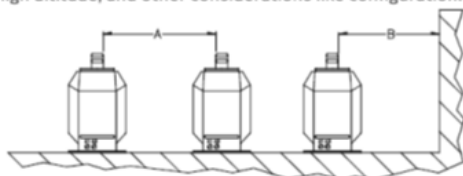
Approved for revenue metering by Industry Canada No. AE-0638 Rev. 1

RECOMMENDED MINIMUM SPACINGS

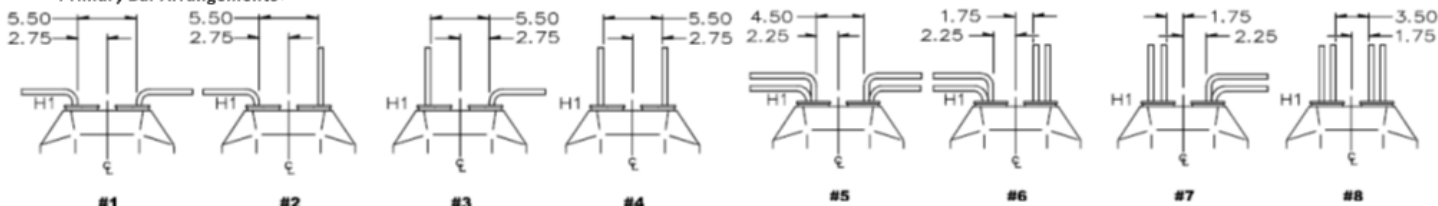
A = Unit to Unit = 8.50" minimum.

B = HV to Ground in Air = 8.50" minimum.

Recommended spacing are for guidance only. User needs to set appropriate values to assure performance for high potential test, impulse test, high humidity, partial discharge, high altitude, and other considerations like configuration.



Primary Bar Arrangements:



Model CTO

Medium Voltage Current Transformer Window Diameter 7.00"

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

For 15 kV and below applications.

Continuous Thermal Rating Factor

Up to 1,500:5 ratio
1.50 at 30 °C., 1.00 at 55 °C.

2,000:5 to 3,000:5 ratios
1.33 at 30°C. amb., 1.00 at 55 °C.

4,000:5 ratio
1.00 at 30 °C. amb., 0.75 at 55 °C.

Specifications

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Steel mounting base.

Approximate weight 55 lbs.



Model CTO

Catalog Number	Current Ratio	Relay Class	Metering Class at 60 Hz						
			B0.1	B0.2	B0.5	B0.9	B1.8	B1.0	B2.0
CTO-500	50:5	-	4.8	-	-	-	-	-	-
CTO-750	75:5	C10	2.4	2.4	-	-	-	-	-
CTO-101	100:5	C10	1.2	1.2	4.8	-	-	-	-
CTO-151	150:5	C20	0.6	1.2	2.4	4.8	4.8	4.8	4.8
CTO-201	200:5	C20	0.6	0.6	1.2	2.4	4.8	2.4	4.8
CTO-251	250:5	C20	0.3	0.6	1.2	1.2	2.4	1.2	2.4
CTO-301	300:5	C20	0.3	0.3	0.6	1.2	2.4	1.2	2.4
CTO-401	400:5	C50	0.3	0.3	0.6	0.6	1.2	0.6	1.2
CTO-501	500:5	C50	0.3	0.3	0.3	0.6	0.6	0.6	0.6
CTO-601	600:5	C100	0.3	0.3	0.3	0.3	0.6	0.3	0.6
CTO-801	800:5	C100	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-102	1,000:5	C100	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-122	1,200:5	C100	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-152	1,500:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-202	2,000:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-252	2,500:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-302	3,000:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTO-402	4,000:5	C100	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Model CTO

The following applies ONLY after proper installation of bus bar.

CLASS	BIL	HI POT	A dia	B min.	C-D	E-F	G min
5 kV	60 kV	19 kV	5.75"	0.62"	4.0"	4.0"	0.060
8.7 kV	75 kV	26 kV	5.5"	0.75"	5.0"	5.0"	0.100
15 kV	95 kV	36 kV	5.0"	1.0"	5.5"	5.5"	0.100
15 kV	110 kV	36 kV	5.0"	1.0"	5.5"	5.5"	0.100
15 kV	110 kV	36 kV	4.0"	1.5"	7.0"	7.0"	0.100

By itself the CT is rated 600 Volt class, 10 kV BIL.

With suitable spacing and insulated bus, a higher voltage class, and impulse level can be achieved, including 5 kV, 60 kV BIL and 15 kV, 110 kV BIL.

No sharp object should occur close to zones C-D and E-F. Only full radius edge bus bar is recommended. Zone A can accommodate (1) 1/2x 5 bus bar, or multiples of 1/2x4 with 1/2" spacing to suit. Other sizes like 1/4" and 3/8 can also be used.

The bus bar (s) must be effectively held within zone A, Providing minimum spacing B all around. No bends or joints can occur in zones C-D and E-F. Bus bar coverage of suitable resin of thickness G, must be continuous from at least C to F with no breaks, pin holes or weak spots. CT's can be installed in tandem, with 1/2" spacing and observe zones C-D and F-F at either end.

Model CTOR

Medium Voltage Current Transformer Window Size 8.44"x 4.50"

Application

Metering and relaying.

Frequency

50-400 Hz

Maximum System Voltage

For 15 kV and below applications.

Continuous Thermal Rating Factor

Up to 800:5 ratio = 2.00 at 30 °C.,
1.50 at 55 °C.

1,200:5 to 4,000:5 ratios = 1.33 at 30 °C.
amb., 1.00 at 55 °C.

Secondary terminals are brass screws No.
10-32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Approximate weight 80 lbs



Application Notes for 15 kV, 95 kV BIL, 36 V HIPOT:

Bus bars must be suitably insulated with 0.100" coverage, and no breaks or bends 6.0" on either side of CT.

The bus bars and CT have to be adequately mounted to assure the bus bars are retained in the middle of the window, and to provide 1.0" air clearance all around between the bus bars and CT window for 15 kV applications and 0.62" air clearance for 5 kV.

When mounting the CT, use non-metallic support angles, or bars and hardware.

By itself the CT is rated 600 V, 10 kV BIL, 4 kV Hipot.

Model CTOR

Catalog Number	Current Ratio	Relay Class	Metering Class at 60 Hz							
			B0.1	B0.2	B0.5	B0.9	B1.8	B1.0	B2.0	
CTOR-500	50:5	-	-	-	-	-	-	-	-	-
CTOR-750	75:5	C10	2.4	4.8	-	-	-	-	-	-
CTOR-101	100:5	C10	1.2	2.4	-	-	-	-	-	-
CTOR-151	150:5	C20	0.6	1.2	2.4	4.8	-	4.8	-	-
CTOR-201	200:5	C20	0.6	0.6	2.4	2.4	4.8	2.4	4.8	4.8
CTOR-301	300:5	C20	0.3	0.3	0.6	1.2	2.4	1.2	2.4	2.4
CTOR-401	400:5	C50	0.3	0.3	0.6	0.6	1.2	0.6	1.2	1.2
CTOR-601	600:5	C100	0.3	0.3	0.6	0.6	1.2	0.6	1.2	1.2
CTOR-801	800:5	C100	0.3	0.3	0.3	0.6	1.2	0.6	1.2	1.2
CTOR-122	1,200:5	C200	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6
CTOR-152	1,500:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTOR-202	2,000:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTOR-302	3,000:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
CTOR-402	4,000:5	C200	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

