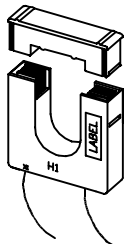
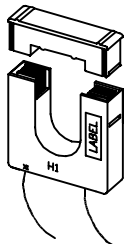
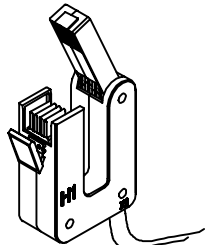
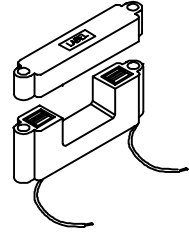
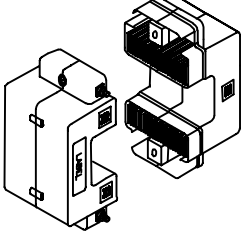
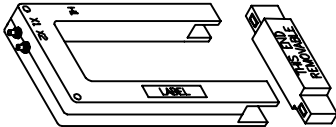
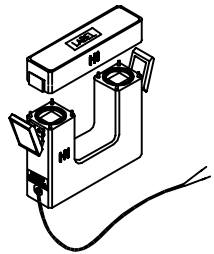
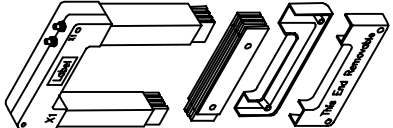


# SPLIT CORE CURRENT TRANSFORMERS

**600 VOLT  
CLASS**

MODEL NUMBER		WINDOW SIZE		OVERALL SIZE			PAGE
		Width	Height	Width	Height	Depth	
<b>610</b>		1.30	1.47	2.75	2.84	0.78	<b>2</b>
<b>613</b>		0.80	1.95	2.70	3.70	1.25	<b>3</b>
<b>603 603D</b>		2.00 2.00	1.00 2.00	4.56 4.56	2.31 3.40	0.85 0.85	<b>4</b>
<b>604</b>		1.42	1.53	3.38	4.78	2.50	<b>5</b>
<b>600 601</b>		2.00 4.50	5.50 4.50	4.25 6.75	7.75 6.75	1.13 1.13	<b>6</b>
<b>606 608</b>		2.75 2.60	2.70 6.25	6.05 6.05	5.80 9.25	1.75 1.75	<b>7</b>
<b>500</b>		From: 4.1 To: 10.1	7.1 30.1	From: 7.30 To: 13.20	10.90 33.90	1.63 1.63	<b>8</b>

# CURRENT TRANSFORMER

**Model 610**

**HIGH ACCURACY SPLIT CORE**

*Window Size 1.30" X 1.47"*

**APPLICATION:**

For energy management systems and instrumentation equipment having a high input impedance, eg. 14K ohms minimum.

**FREQUENCY:**

50-400 Hz.

**CONSTRUCTION:**

The core and windings are encased in U.L. approved plastic.

**INSULATION LEVEL:**

0.6 kV, BIL 10 kV full wave.

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**

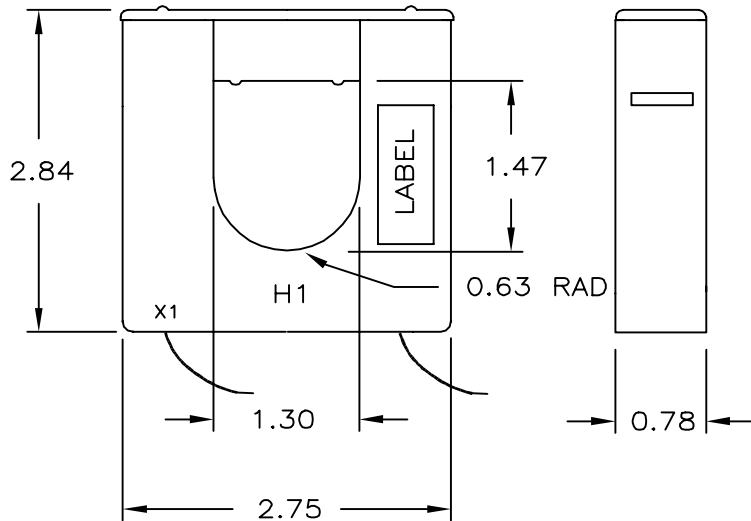
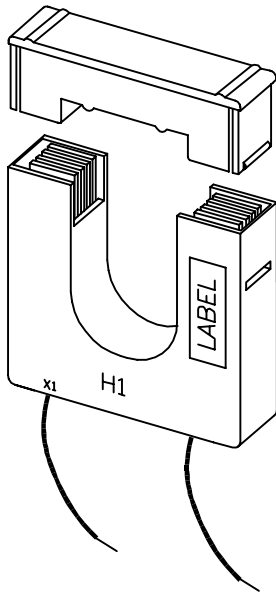
330A at 30°C amb.,  
250A at 55°C amb.

- Flexible leads are UL 1015 105° C, CSA approved, #18 AWG, 24" long unless otherwise specified.
- Approximate Weight: 10 oz.

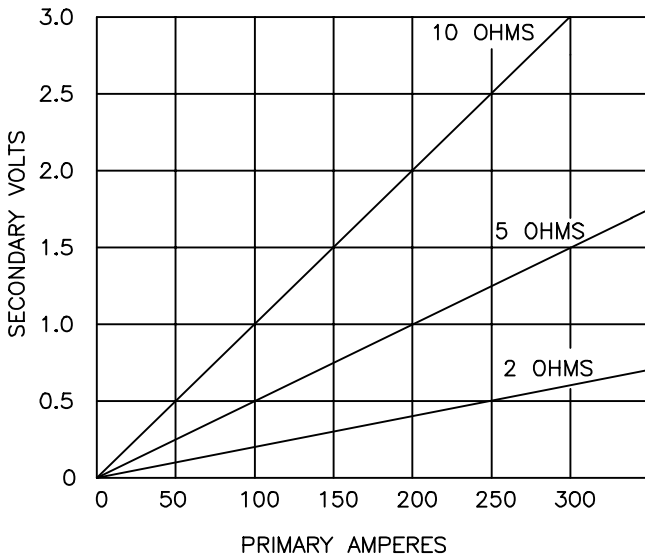
REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI C57.13. Classified by U.L. in accordance with IEC 44-1



TYPICAL PERFORMANCE CHARACTERISTICS (WITH 1000 TURNS)



This transformer is designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables. It incorporates a snap fit between the fixed and removable sections.

This transformer is intended for use with high input impedance devices that require signal voltages up to 5 Vac.

The output can be rectified and filtered for devices requiring d.c. input. The non-linearity and voltage drop of the rectifiers and filters must be considered in the choice of the loading impedance.

**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

# CURRENT TRANSFORMER

**Model 613**

**SPLIT CORE/CLAMP ON**

*Window Size 0.80" X 1.95"*

**APPLICATION:**

For energy management systems and instrumentation equipment

**FREQUENCY:**

50-400 Hz.

**INSULATION LEVEL:**

0.6 kV, BIL 10 kV full wave.

**CONSTRUCTION:**

The core and windings are encased in U.L. approved plastic.

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**

Models 613-101 - 613-401:

1.33 at 30°C amb.,

1.00 at 55°C amb.

Model 613-1000T:

330A at 30°C amb.,

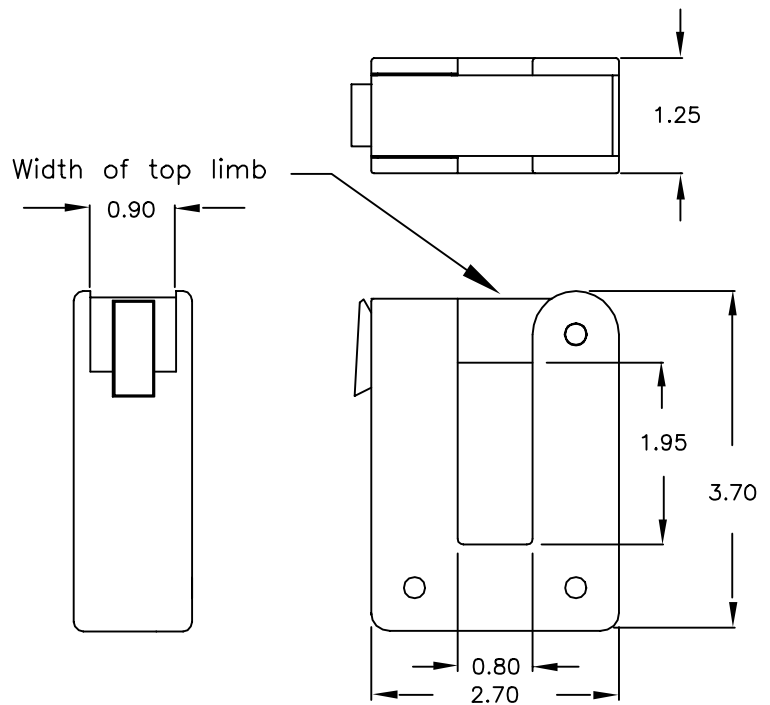
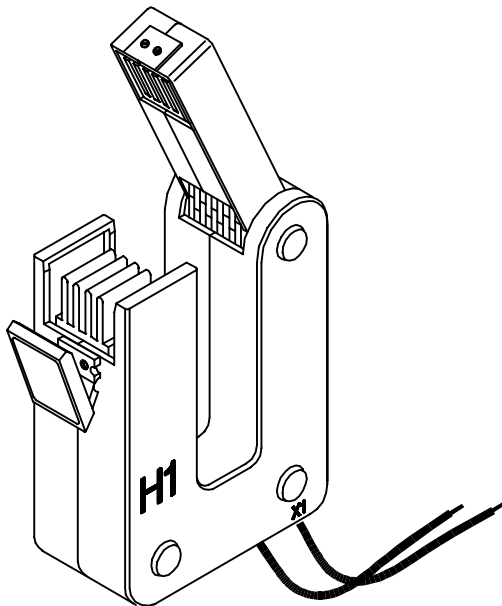
250A at 55°C amb.

- Flexible leads are UL 1015 105°C, CSA approved, #16 AWG, 24" long unless otherwise specified.
- Approximate Weight: 1 lb.

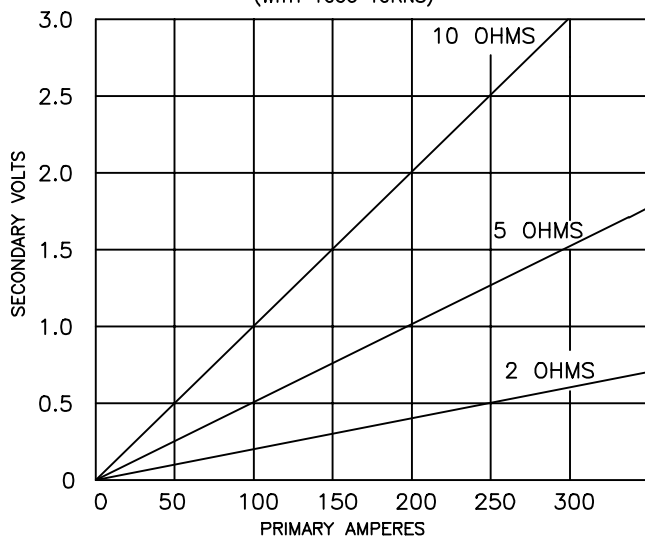
REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI C57.13. Classified by U.L. in accordance with IEC 44-1



TYPICAL PERFORMANCE CHARACTERISTICS MODEL 613-1000T (WITH 1000 TURNS)



This transformer is designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY AT 60 Hz
613-101	100:5	1.00	5 %
613-1250	125:5	1.25	5 %
613-151	150:5	1.50	5 %
613-1750	175:5	1.75	5 %
613-201	200:5	2.50	4 %
613-251	250:5	2.50	4 %
613-301	300:5	3.00	2 %
613-401	400:5	3.00	2 %
* 613-1000T	100:0.1	SEE GRAPH	± 3 %

\* The Model 613-1000T is intended for use with high input impedance devices that require signal voltages up to 5 V ac. The output can be rectified and filtered for devices requiring d.c. input. The non-linearity and voltage drop of the rectifiers and filters must be considered in the choice of the loading impedance.

# CURRENT TRANSFORMERS

## Models 603 - 500T & 603D - 500T - SPLIT CORE

*Window Size*  
 603-500T-2.00" X 1.00"  
 603D-500T-2.00" X 2.00"

**APPLICATION:**  
 For energy management systems and instrumentation equipment having a high input impedance, eg. 14K ohms minimum.

**FREQUENCY:**  
 50-400 Hz.

**CONSTRUCTION:**  
 The core and windings are encased in U.L. approved plastic.

**INSULATION LEVEL:**  
 0.6 kV, BIL 10 kV full wave.

### CONTINUOUS THERMAL CURRENT RATING FACTOR:

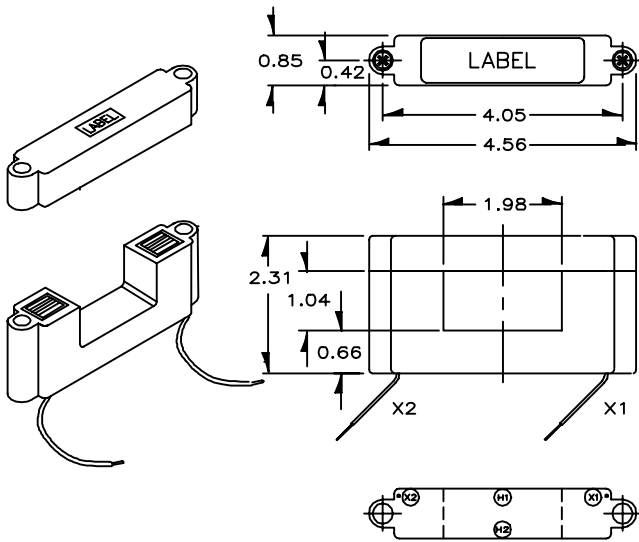
- Model 603:  
 350A at 30°C amb.,  
 260A at 55°C amb.
- Flexible leads are UL 1015 105°C, CSA approved, #22 AWG, 24" long unless otherwise specified.
  - Approximate Weight:  
 Model 603-500T.....10 ozs.  
 Model 603D-500T....12 ozs.

REGULATORY AGENCY APPROVALS

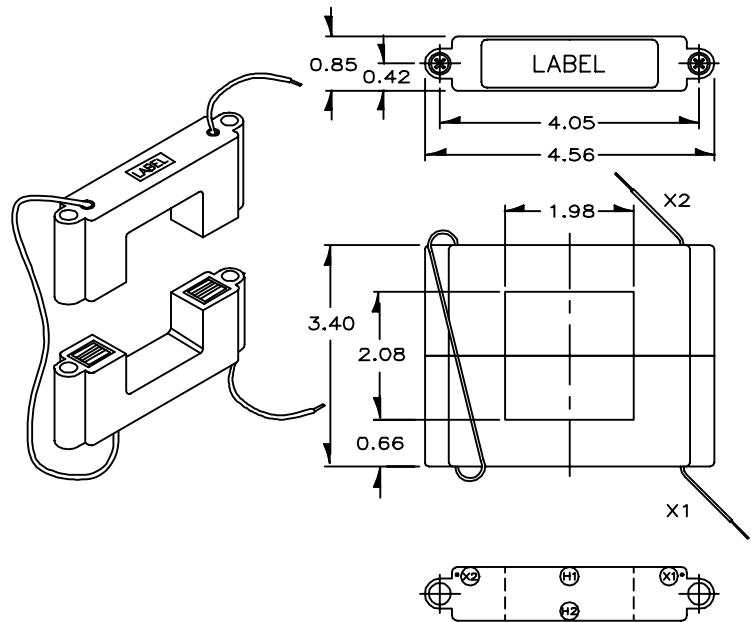


Manufactured to meet the requirements of ANSI C57.13.  
 Classified by U.L. in accordance with IEC 44-1

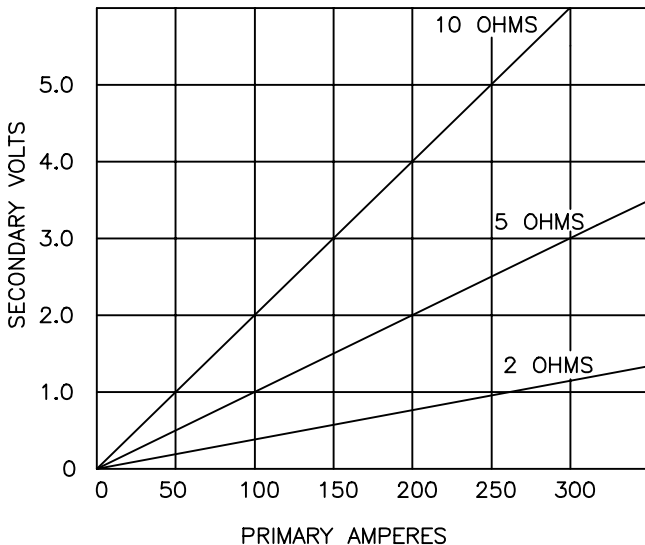
**MODEL 603-500T**



**MODEL 603D-500T**



TYPICAL PERFORMANCE CHARACTERISTICS MODEL 603-500T (WITH 500 TURNS)



These transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

These transformers are intended for use with high input impedance devices that require signal voltages up to 5 V ac.

The output can be rectified and filtered for devices requiring d.c. input. The non-linearity and voltage drop of the rectifiers and filters must be considered in the choice of the loading impedance.

**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

# CURRENT TRANSFORMER

Model 604

HIGH ACCURACY LOW RATIO  
SPLIT CORE

Window size 1.42" X 1.53"

**APPLICATION:**  
For energy management systems and instrumentation.

**FREQUENCY:**  
50-400 Hz.

**INSULATION LEVEL:**  
0.6 kV, BIL 10 kV full wave.

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**

Models 604-101 - 604-401:  
1.33 at 30°C amb.,  
1.0 at 55°C amb.

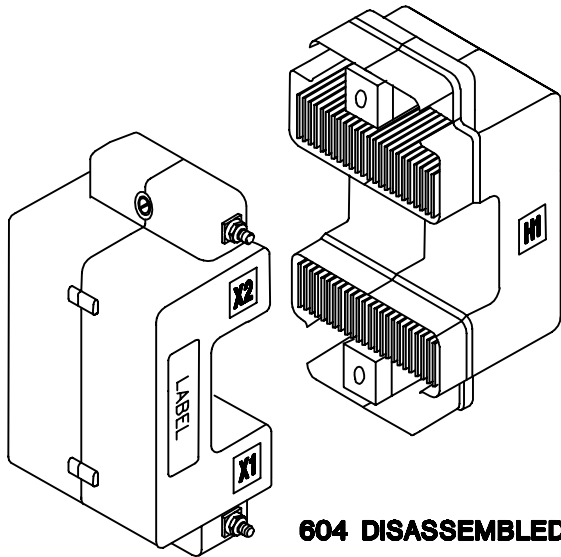
Model 604-1000T:  
450A at 30°C amb.,  
350A at 55°C amb.

- Terminals are 10-32 brass studs with one flatwasher and 2 regular nuts.
- Flexible leads UL 1015 105°C. CSA approved, #16 AWG, 24" long are available.
- Approximate Weight: 2.5 lbs.

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI C57.13.  
Classified by U.L. in accordance with IEC 44-1

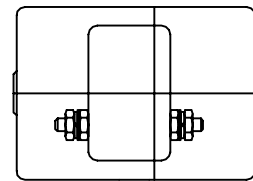


604 DISASSEMBLED

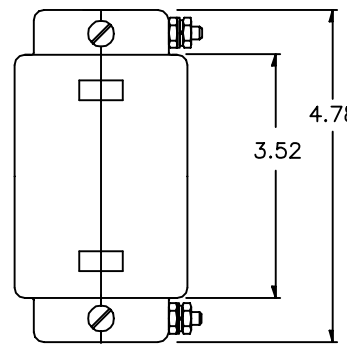
This transformer is designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

The 604-1000T is intended for use with high input impedance devices.

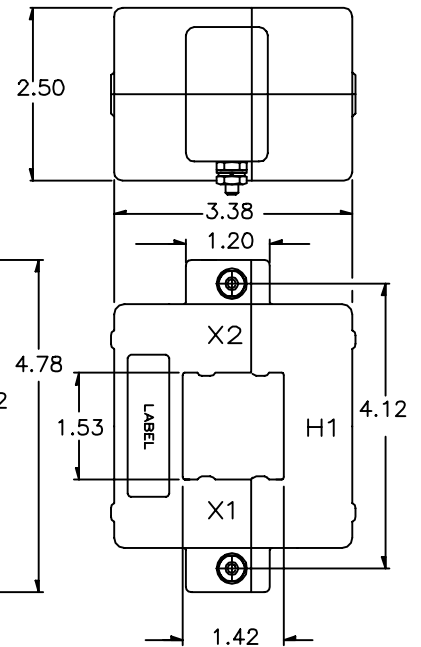
The output can be rectified and filtered for devices requiring d.c. input. The non-linearity and voltage drop of the rectifiers and filters must be considered in the choice of the loading impedance.



Terminal arrangement for ratios 250:5 thru 400:5.



Terminal arrangement for ratios 100:5 thru 200:5.

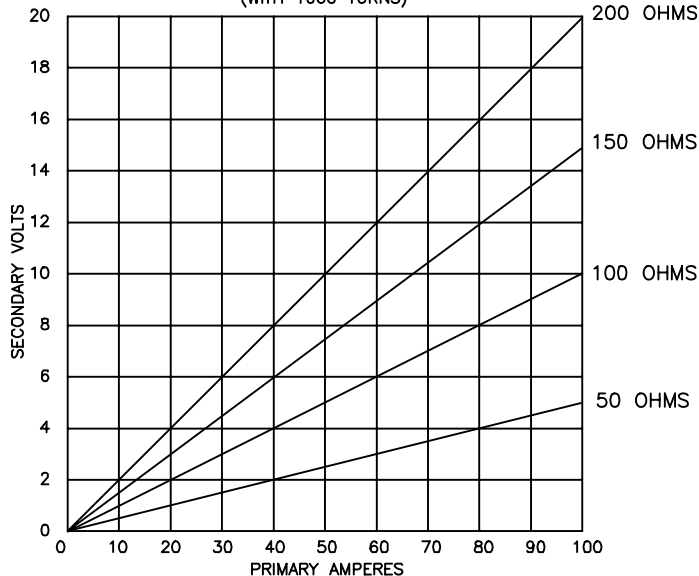


**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

TYPICAL PERFORMANCE CHARACTERISTICS MODEL 604-1000T (WITH 1000 TURNS)



CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY
604-101	100:5	1	± 5%
604-1250	125:5	1	± 5%
604-151	150:5	1	± 4%
604-1750	175:5	1	± 3%
604-201	200:5	1	± 2%
604-251	250:5	2	± 2%
604-301	300:5	2	± 1.5%
604-351	350:5	2.5	± 1.5%
604-401	400:5	2.5	± 1.5%
604-1000T	100:0.1	SEE GRAPH	± 3%

# CURRENT TRANSFORMERS

## Models 600 & 601 SPLIT CORE

*Window Size*

600 – 2.00" X 5.50"

601 – 4.50" X 4.50"

**APPLICATION:**  
For energy management systems and instrumentation.

**FREQUENCY:**  
50–400 Hz.

**CONSTRUCTION:**  
The core and windings are encased in U.L. approved plastic.

**INSULATION LEVEL:**  
0.6 kV, BIL 10 kV full wave.

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**

1.33 at 30°C amb.,  
1.0 at 55°C amb.

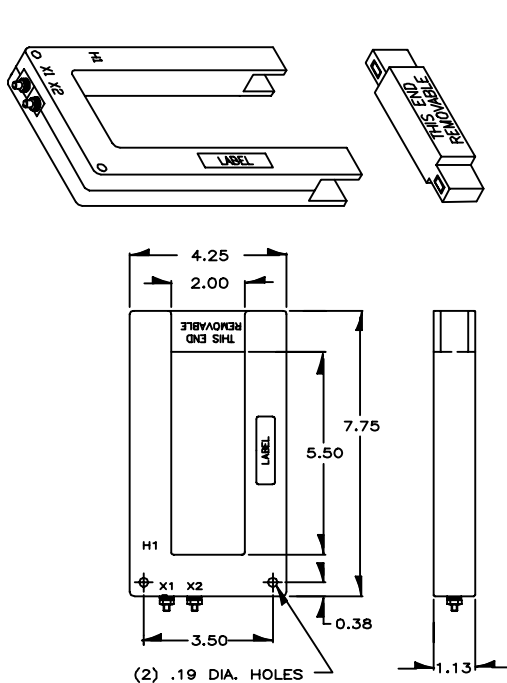
- Terminals are 8–32 brass studs with one flatwasher, lockwasher and regular nut.
- Flexible leads UL 1015 105°C, CSA approved, #16 AWG, 24" long are available.
- Approximate Weight: 1.5 Lbs.

REGULATORY AGENCY APPROVALS

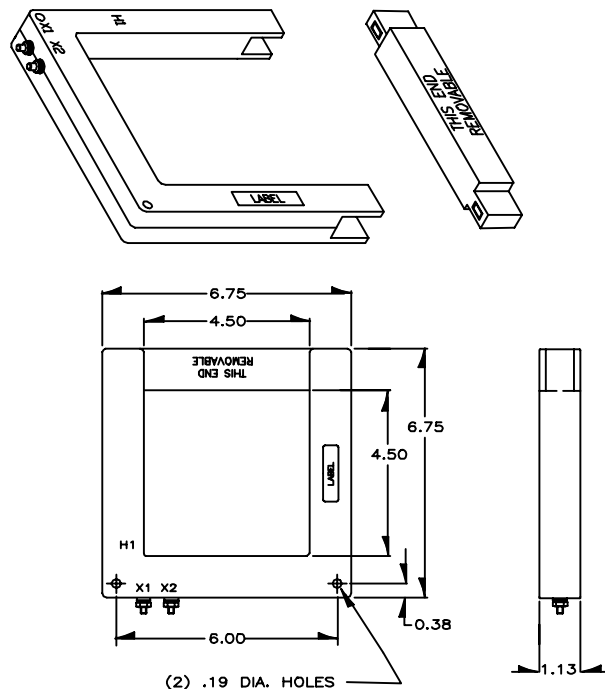


Manufactured to meet the requirements of ANSI C57.13.  
Classified by U.L. in accordance with IEC 44–1

**MODEL 600**



**MODEL 601**



These transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

CATALOG NO.	CURRENT RATIO	VA AT 1% CLASS	ANSI METERING CLASS AT 60Hz		
			B0.1	B0.2	B0.5
600-401	400:5A	1.5	2.4	4.8	—
600-501	500:5A	2.0	2.4	4.8	—
600-601	600:5A	2.5	2.4	2.4	—
600-801	800:5A	5.0	1.2	1.2	2.4
600-102	1000:5A	7.5	1.2	1.2	2.4
600-122	1200:5A	15.0	0.6	1.2	1.2
600-152	1500:5A	20.0	0.6	0.6	1.2
600-162	1600:5A	20.0	0.6	0.6	1.2
600-202	2000:5A	30.0	0.6	0.6	0.6

CATALOG NO.	CURRENT RATIO	VA AT 1% CLASS	ANSI METERING CLASS AT 60Hz		
			B0.1	B0.2	B0.5
601-401	400:5A	1.0	4.8	—	—
601-501	500:5A	1.5	4.8	4.8	—
601-601	600:5A	2.0	2.4	4.8	—
601-801	800:5A	2.5	1.2	2.4	4.8
601-102	1000:5A	5.0	1.2	1.2	4.8
601-122	1200:5A	10.0	1.2	1.2	2.4
601-152	1500:5A	15.0	1.2	1.2	1.2
601-162	1600:5A	15.0	1.2	1.2	1.2
601-202	2000:5A	20.0	0.6	0.6	1.2

# CURRENT TRANSFORMERS

Models 606 & 608

WEATHER PROOF  
SPLIT CORE

Window size 2.75" X 2.70"  
2.60" X 6.25"

**APPLICATION:**  
For energy management systems and instrumentation.

**FREQUENCY:**  
50-400 Hz.

**INSULATION LEVEL:**  
0.6 kV, BIL 10 kV full wave.

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI C57.13.  
Classified by U.L. in accordance with IEC 44-1

**CONTINUOUS THERMAL CURRENT RATING FACTOR:**

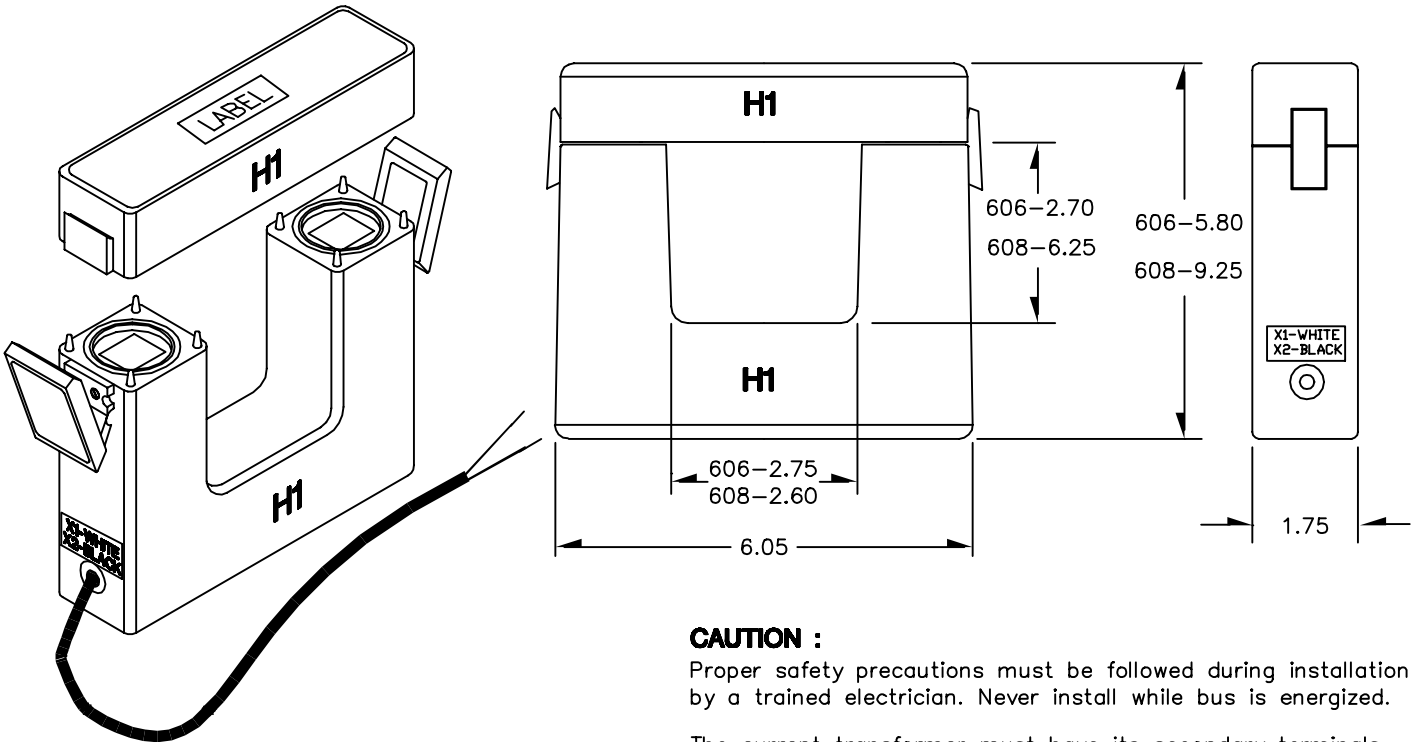
Model 606:  
1.33 at 30°C amb.,  
1.0 at 55°C amb.

Models 608-501 - 608-202:  
1.33 at 30°C amb.,  
1.0 at 55°C amb.

Models 608-252 - 608-322:  
1.0 at 30°C amb.,  
0.7 at 55°C amb.

- Secondary Cable: Two No. 16 AWG, 6' Long, Direct Burial, U.V. Res. U.L. Type TC.

These current transformers are a weather proof design suitable for use outdoor or in direct burial applications. The transformer cases are UV stabilized thermoplastic and filled with polyurethane resin. The mating surfaces of the transformer cores are protected by a rubber 'O' ring.



**CAUTION :**

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

These transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

**Model 606**

Approximate Weight: 4.5 Lbs.

CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY AT 60 Hz
606-201	200:5	2.5	1 %
606-251	250:5	3	1 %
606-301	300:5	3.5	1 %
606-351	350:5	4	1 %
606-401	400:5	5	1 %
606-501	500:5	6	1 %
606-601	600:5	8	1 %
606-751	750:5	10	1 %
606-801	800:5	12	1 %
606-102	1000:5	15	1 %
606-122	1200:5	20	1 %

**Model 608**

Approximate Weight: 7.5 Lbs.

CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY
608-501	500:5	6	1 %
608-601	600:5	8	1 %
608-801	800:5	12	1 %
608-102	1000:5	13	1 %
608-122	1200:5	16	1 %
608-152	1500:5	25	1 %
608-162	1600:5	27	1 %
608-202	2000:5	33	1 %
608-252	2500:5	42	1 %
608-302	3000:5	50	1 %
608-322	3200:5	54	1 %

# CURRENT TRANSFORMERS

## Model 500 SPLIT CORE

*Window Size Available up to 10" X 30"*

**APPLICATION:**  
Metering

**FREQUENCY:**  
50–400 Hz.

**INSULATION LEVEL:**  
0.6 kV, BIL 10 kV full wave.

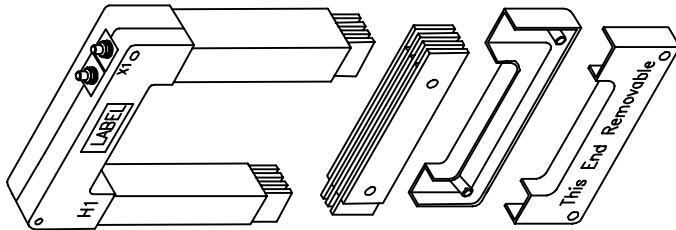
**CONTINUOUS THERMAL CURRENT RATING FACTOR:**  
1.33 at 30°C amb.; 1.0 at 55°C amb.

- Terminals are 8–32 brass studs with one flatwasher, lockwasher and regular nut.
- Flexible leads are UL 1015 105°C CSA approved, #16 AWG, 24" long are available.
- Approximate weight 8 to 18 lbs.

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI C57.13. Classified by U.L. in accordance with IEC 44–1

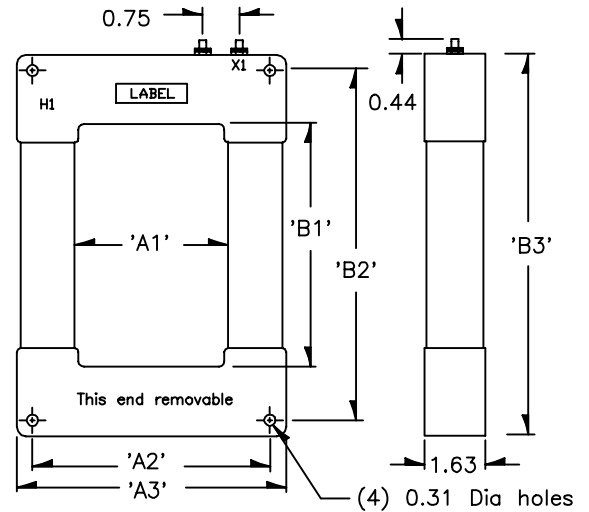


This transformer is designed to be assembled around an existing conductor or bus bar. The end marked "This end removable" may be disassembled and then reassembled around the conductors.

**CAUTION :**

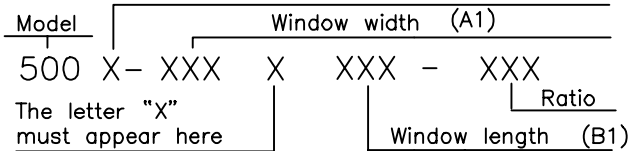
Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.



**HOW TO ORDER TAKE APART C.T.'S**

T or L for Terminals or Leads



Example: 500T-041 X 117 - 122

The accuracy table below is for the 500T-041 X 117. Accuracies for other sizes are available from the factory. The dimensions in the table at the right are standard sizes. Other window lengths (B1) may be accommodated on special order. Window widths (A1) other than those listed are not available.

CURRENT RATIO	ACCURACY CLASS WITH U.P.F. BURDEN
300:5	±5% @ 1.5VA
400:5	±3% @ 2.5VA
500:5	±2% @ 2.5VA
600:5	±1% @ 4.0VA
750:5	±1% @ 5.0VA
800:5	±1% @ 5.0VA
1000:5	±1% @ 7.5VA
1200:5	±1% @ 10.0VA
1500:5	±1% @ 12.5VA
2000:5	±1% @ 15.0VA
2500:5	±1% @ 25.0VA
3000:5	±1% @ 25.0VA
3500:5	±1% @ 25.0VA
4000:5	±1% @ 25.0VA
5000:5	±1% @ 30.0VA
6000:5	±1% @ 40.0VA

DIMENSIONS						MAX RATIO
'A1'	'A2'	'A3'	'B1'	'B2'	'B3'	
4.1	6.4	7.3	7.1	10.0	10.9	4000:5
4.1	6.4	7.3	11.7	14.5	15.4	8000:5
4.1	6.4	7.3	14.1	17.0	17.9	8000:5
4.1	6.4	7.3	18.1	21.0	21.9	8000:5
4.1	6.4	7.3	24.0	27.0	27.9	10000:5
4.1	6.4	7.3	30.1	33.0	33.9	10000:5
5.1	7.2	8.3	7.1	10.0	10.9	4000:5
5.1	7.2	8.3	11.7	14.5	15.4	8000:5
5.1	7.2	8.3	14.1	17.0	17.9	8000:5
5.1	7.2	8.3	18.1	21.0	21.9	8000:5
5.1	7.2	8.3	24.0	27.0	27.9	10000:5
5.1	7.2	8.3	30.1	33.0	33.9	10000:5
5.1	7.2	8.3	30.1	33.0	33.9	10000:5
5.8	7.0	9.0	7.1	10.0	10.9	4000:5
5.8	7.0	9.0	11.7	14.5	15.4	8000:5
5.8	7.0	9.0	14.1	17.0	17.9	8000:5
5.8	7.0	9.0	18.1	21.0	21.9	8000:5
5.8	7.0	9.0	24.0	27.0	27.9	10000:5
5.8	7.0	9.0	30.1	33.0	33.9	10000:5
8.0	9.5	11.1	7.1	10.0	10.9	4000:5
8.0	9.5	11.1	11.7	14.5	15.4	8000:5
8.0	9.5	11.1	14.1	17.0	17.9	8000:5
8.0	9.5	11.1	18.1	21.0	21.9	8000:5
8.0	9.5	11.1	24.0	27.0	27.9	10000:5
8.0	9.5	11.1	30.1	33.0	33.9	10000:5
8.0	9.5	11.1	30.1	33.0	33.9	10000:5
10.1	11.6	13.2	7.1	10.0	10.9	4000:5
10.1	11.6	13.2	11.7	14.5	15.4	8000:5
10.1	11.6	13.2	14.1	17.0	17.9	8000:5
10.1	11.6	13.2	18.1	21.0	21.9	10000:5
10.1	11.6	13.2	24.0	27.0	27.9	10000:5
10.1	11.6	13.2	30.1	33.0	33.9	10000:5