



CURRENT TRANSFORMERS

Model 500(Window Size: 4"x7" to 10"x30")

Application: Used with ammeters, watt meters and cross current compensation.

Frequency: 50-400 Hz

Insulation Level: 600 Volts, 10Kv BIL Full Wave

- Flexible leads available for all case configurations. Flexible leads are UL 1015 105°C, C.S.A approved #16 AWG, 24" long standard length. Non-standard lengths are available upon request.
- Terminals are brass studs No. 8-32 UNC with one flat washer, one lock washer and one nut each. Terminals are only available on the square case configuration.
- Continuous Thermal Current Rating Factor: 1.33 @ 30 Deg. C. Amb.: 1.0 @55 Deg. C. Amb
- Approximate weight: 8 to 20 lbs

This transformer is designed to have the capability to be assembled around existing bus bars or conductors. To install, simply remove the cover labeled "This End Removable". Remove the two (2) bolts holding the core in place and then remove the bottom section of the core. To install, just reverse these steps.

Proper safety precautions must be followed during the installation by a trained electrical.

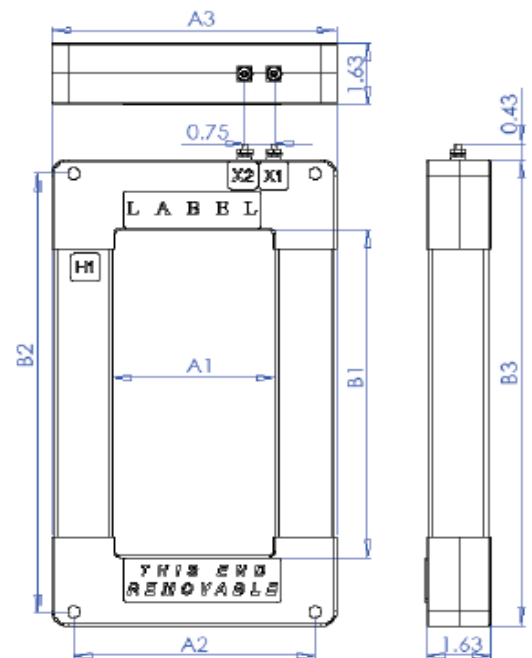
Never install while the bus is energized.

Before energizing the current transformer secondary must have a burden or be short circuited.



500T

| Dimension | | | | | | Max |
|-----------|------|------|------|------|------|---------|
| A1 | A2 | A3 | B1 | B2 | B3 | Ratio |
| 4.1 | 6.4 | 7.3 | 7.1 | 10.0 | 10.9 | 4000:5 |
| 4.1 | 6.4 | 7.3 | 7.1 | 10.0 | 10.9 | 8000:5 |
| 4.1 | 6.4 | 7.3 | 14.1 | 17.0 | 17.9 | 8000:5 |
| 4.1 | 6.4 | 7.3 | 18.0 | 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 | 18.0 | 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 |
| 5.8 | 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 | 18.0 | 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 | 18.0 | 21.0 | 21.9 | 8000:5 |
| 8.0 | 9.5 | 11.1 | 24.0 | 27.0 | 27.9 | 1000:5 |
| 8.0 | 9.5 | 11.1 | 30.1 | 33.0 | 33.9 | 1000:5 |
| 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 | 18.0 | 21.0 | 21.9 | 8000:5 |
| 10.1 | 11.6 | 13.2 | 24.0 | 27.0 | 27.9 | 1000:5 |
| 10.1 | 11.6 | 13.2 | 30.1 | 33.0 | 33.9 | 1000:5 |





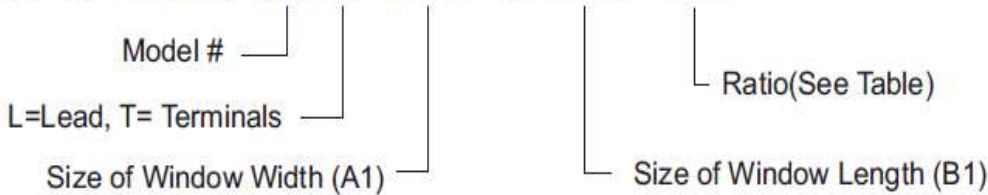
Electromagnetic Industries LLP

www.electromagnetic.biz

CURRENT TRANSFORMERS

Model 500 (Window Size: 4"X7" to 10"X30")

How To Order: 500 X - XXX - X -XXX - XXX



| Inside Window Width | Width Nomenclature |
|---------------------|--------------------|
| 4.1" | 041 |
| 5.1" | 051 |
| 5.8" | 058 |
| 8.0" | 080 |
| 10.0" | 100 |

| Inside Window Width | Width Nomenclature |
|---------------------|--------------------|
| 7.1" | 071 |
| 11.7" | 117 |
| 14.1" | 141 |
| 18.1" | 181 |
| 24.0" | 240 |
| 30.1" | 301 |

| Current Ratio | Part # Suffix |
|---------------|---------------|
| 300:5 | 301 |
| 400:5 | 401 |
| 500:5 | 501 |
| 600:5 | 601 |
| 750:5 | 751 |
| 800:5 | 801 |
| 1000:5 | 102 |
| 1200:5 | 122 |
| 1500:5 | 152 |
| 2000:5 | 202 |
| 2500:5 | 252 |
| 3000:5 | 302 |
| 3500:5 | 352 |
| 4000:5 | 402 |
| 5000:5 | 502 |
| 6000:5 | 602 |
| 8000:5 | 802 |
| 10000:5 | 103 |

These Tables show the standard inside window dimension. Non- Standard sizes are also available.

The accuracy Table below is for the 500T-041 X117. Accuracies for other sizes will be made available upon request.

| Current Ratio | ANSI Metering Class @ 60Hz | | | Accuracy Class with U.P.F. Burden |
|---------------|----------------------------|------|------|-----------------------------------|
| | B0.1 | B0.2 | B0.5 | |
| 300:5 | - | - | - | ±5%@1.5VA |
| 400:5 | - | - | - | ±3%@2.5VA |
| 500:5 | - | - | - | ±2%@2.5VA |
| 600:5 | 4.8 | - | - | ±1%@4.0VA |
| 750:5 | 4.8 | - | - | ±1%@5.0VA |
| 800:5 | 2.4 | - | - | ±1%@5.0VA |
| 1000:5 | 2.4 | 4.8 | - | ±1%@7.5VA |
| 1200:5 | 1.2 | 2.4 | - | ±1%@10.0VA |
| 1500:5 | 1.2 | 1.2 | 2.4 | ±1%@12.5VA |
| 2000:5 | 0.6 | 1.2 | 2.4 | ±1%@15.0VA |
| 2500:5 | 0.6 | 0.6 | 1.2 | ±1%@25.0VA |
| 3000:5 | 0.6 | 0.6 | 1.2 | ±1%@25.0VA |
| 3500:5 | 0.6 | 0.6 | 0.6 | ±1%@25.0VA |
| 4000:5 | 0.3 | 0.6 | 0.6 | ±1%@25.0VA |
| 5000:5 | 0.3 | 0.3 | 0.3 | ±1%@30.0VA |
| 6000:5 | 0.3 | 0.3 | 0.3 | ±1%@40.0VA |