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## Current Transformer Indoor Toroidal *CT Series*



### Features

- Toroidal design.
- Supplied with 24" insulated secondary leads, terminated with crimped ring connectors.
- Suitable for use with bare (uninsulated) primary conductor in circuits up to 600 V (4 KV Hi pot); or at higher voltages when a suitably insulated conductor is used.
- All units have 5 A secondary for use with standard AC ammeters with 5 A movements.
- Two hole mounting bracket on all models.
- UL E227616 volume #1 file number X0DW2

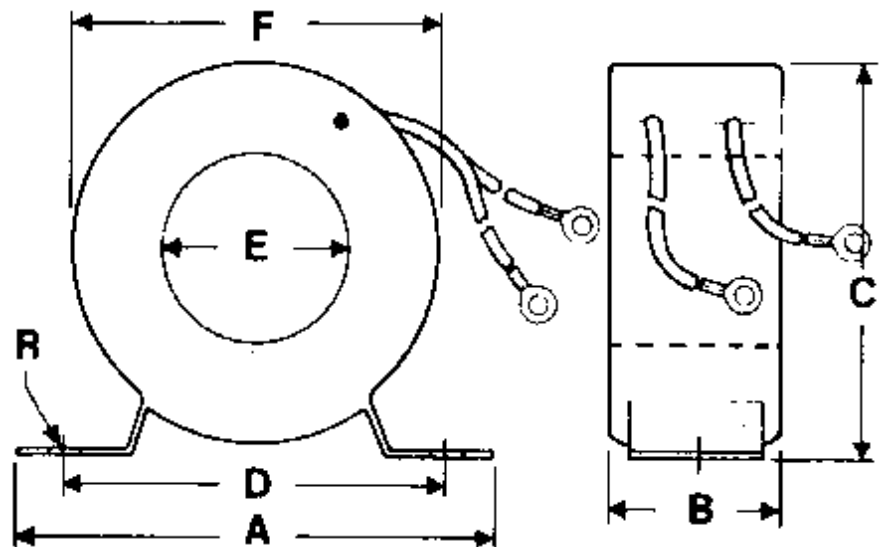
### Application Data

#### To obtain current measurement:

1. Pass the wire carrying the current to be measured through the window of the CT transformer (acting as a primary winding).
2. Connect the CT secondary to an ammeter with a 5 A movement.

#### For higher accuracy or higher VA burden rating:

1. Choose a CT with a primary which is a multiple of the required primary rating and which has the accuracy or VA burden you require.
2. Loop the wire carrying the current to be measured through the window a number of times equal to the multiple. This "winding" will reduce the ratio back to required primary rating.
  - Example "A": To obtain an accuracy of 1.2% at 10VA burden with a ratio of 100:5, use a CT400 and loop 4 primary turns through the window.
  - Example "B": To obtain a 25:5 ratio, use a CT75 with 3 primary turns to yield 2% accuracy or a CT50 with 2 primary turns to yield 3.2% accuracy.



| Part No. | Current Ratio | Accuracy  | Burden  | Overall Dimensions |      |      |      |      |      | Mounting Slots |      | Ship Wt. |
|----------|---------------|-----------|---------|--------------------|------|------|------|------|------|----------------|------|----------|
|          | Pri. / Sec.   | %         | VA      | A                  | B    | C    | D    | E    | F    | G              | H    | Lb.      |
| CT50A    | 50:5          | 3.2       | 2       | 3.75               | 1.75 | 3.25 | 3.00 | 0.87 | 2.87 | 0.22           | 0.37 | 1.3      |
| CT60A    | 60:5          | 2.4       | 2       | 3.75               | 1.75 | 3.25 | 3.00 | 0.87 | 2.87 | 0.22           | 0.37 | 1.4      |
| CT75A    | 75:5          | 2         | 2       | 3.75               | 1.75 | 3.25 | 3.00 | 0.87 | 2.87 | 0.22           | 0.37 | 1.5      |
| CT100A   | 100:5         | 2         | 2       | 3.75               | 1.75 | 3.25 | 3.00 | 1.20 | 2.87 | 0.22           | 0.37 | 1.1      |
| CT150A   | 150:5         | 1.2       | 2       | 3.75               | 1.75 | 3.25 | 3.00 | 1.20 | 2.87 | 0.22           | 0.37 | 1.4      |
| CT200A   | 200:5         | 1.2       | 2       | 4.75               | 1.75 | 4.25 | 4.00 | 2.20 | 3.87 | 0.22           | 0.37 | 1.7      |
| CT250A   | 250:5         | 0.6 - 1.2 | 2 - 5   | 4.75               | 1.75 | 4.25 | 4.00 | 2.20 | 3.87 | 0.22           | 0.37 | 1.7      |
| CT300A   | 300:5         | 0.6 - 1.2 | 2 - 10  | 4.75               | 1.75 | 4.25 | 4.00 | 2.20 | 3.87 | 0.22           | 0.37 | 1.8      |
| CT400A   | 400:5         | 0.6 - 1.2 | 2 - 10  | 4.75               | 1.75 | 4.25 | 4.00 | 2.20 | 3.87 | 0.22           | 0.37 | 1.8      |
| CT500A   | 500:5         | 0.3 - 1.2 | 2 - 20  | 4.75               | 1.75 | 4.25 | 4.00 | 2.20 | 3.87 | 0.22           | 0.37 | 1.8      |
| CT600A   | 600:5         | 0.3 - 1.2 | 2 - 20  | 6.00               | 1.75 | 5.25 | 5.25 | 3.50 | 5.12 | 0.28           | 0.37 | 2.5      |
| CT800A   | 800:5         | 0.3 - 1.2 | 5 - 50  | 6.00               | 1.75 | 5.25 | 5.25 | 3.50 | 5.12 | 0.28           | 0.37 | 2.8      |
| CT1000A  | 1000:5        | 0.3 - 1.2 | 5 - 50  | 7.00               | 1.75 | 6.25 | 6.25 | 4.50 | 6.12 | 0.28           | 0.37 | 3.3      |
| CT1200A  | 1200:5        | 0.3 - 1.2 | 10 - 50 | 8.00               | 1.75 | 7.75 | 7.25 | 5.50 | 7.12 | 0.28           | 0.37 | 3.8      |

Tags: instrument transformer, toroid, toroidal, current, burden, bracket mount

Data subject to change without notice

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