



**Current Transformer  
Technologies LTD**



## Current Transformer

**Model 170**

rev 08192025

### CERTIFICATIONS:



E228202



223647



ISO 9001

QUALITY  
MANAGEMENT



170SHT

170RL

| Model       | 170SHT | 170RL |
|-------------|--------|-------|
| Window Size | 4.25   | 4.25  |
| Width       | 6.73   | 6.73  |
| Height      | 6.73   | 6.73  |
| Depth       | 1.28   | 1.25  |

#### APPLICATION:

Metering

#### FREQUENCY:

50-400 Hz.

#### INSULATION LEVEL:

600 Volts. 10 kV BIL. full wave

#### WINDOW DIAMETER:

4.25"

#### APPROXIMATE WEIGHT:

3 lbs.

#### CONNECTIONS:

-Flexible leads are UL 1015 105° C CSA

approved, #16 AWG, 24" long

-Terminals are brass studs No. 8-32 UNC with  
one flat washer, lockwasher, and regular nut

-Also available as 170SHL with leads

- Mounting kit # 170SHT-KIT (optional)

### MODEL 170

Window Diameter 4.25"

Approximate weight: 3 lbs.

| CATALOG<br>NUMBER | CURRENT<br>RATIO | V.A. FOR<br>± 1%<br>CLASS | ANSI METERING CLASS AT 60 HZ |      |      |      |      | SECONDARY<br>WINDING<br>RESISTANCE<br>(OHMS @ 75°C) | CONTINUOUS<br>THERMAL RATING<br>FACTOR |        |
|-------------------|------------------|---------------------------|------------------------------|------|------|------|------|-----------------------------------------------------|----------------------------------------|--------|
|                   |                  |                           | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |                                                     | @ 30°C                                 | @ 55°C |
| 170 **---201      | 200:5            | 5                         | 0.6                          | 1.2  | 2.4  | -    | -    | 0.040                                               | 2                                      | 2      |
| 170 **---251      | 250:5            | 5                         | 0.6                          | 0.6  | 1.2  | 2.4  | -    | 0.047                                               | 2                                      | 2      |
| 170 **---301      | 300:5            | 12.5                      | 0.6                          | 0.6  | 1.2  | 2.4  | -    | 0.053                                               | 2                                      | 2      |
| 170 **---401      | 400:5            | 25                        | 0.3                          | 0.3  | 0.6  | 1.2  | 2.4  | 0.080                                               | 2                                      | 2      |
| 170 **---501      | 500:5            | 25                        | 0.3                          | 0.3  | 0.6  | 1.2  | 1.2  | 0.110                                               | 2                                      | 1.5    |
| 170 **---601      | 600:5            | 25                        | 0.3                          | 0.3  | 0.6  | 0.6  | 1.2  | 0.121                                               | 2                                      | 1.5    |
| 170 **---751      | 750:5            | 40                        | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.151                                               | 2                                      | 1.5    |
| 170 **---801      | 800:5            | 50                        | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.162                                               | 2                                      | 1.5    |
| 170 **---102      | 1000:5           | 75                        | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.265                                               | 1.33                                   | 1      |
| 170 **---122      | 1200:5           | 100                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 0.318                                               | 1.33                                   | 1      |
| 170 **---152      | 1500:5           | 80                        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 0.344                                               | 1.33                                   | 1      |
| 170 **---162      | 1600:5           | 90                        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 0.367                                               | 1.33                                   | 1      |
| 170 **---202      | 2000:5           | 100                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.459                                               | 1                                      | 0.8    |
| 170 **---252      | 2500:5           | 130                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.573                                               | 1                                      | 0.8    |
| 170 **---302      | 3000:5           | 160                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.424                                               | 1                                      | 1      |
| 170 **---352      | 3500:5           | 190                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.495                                               | 1                                      | 0.8    |
| 170 **---402      | 4000:5           | 200                       | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.646                                               | 1                                      | 0.8    |

**Note:** When ordering, prefix \*\* catalog # with model designation required, i.e. 170SHT-201, or 170RL-301



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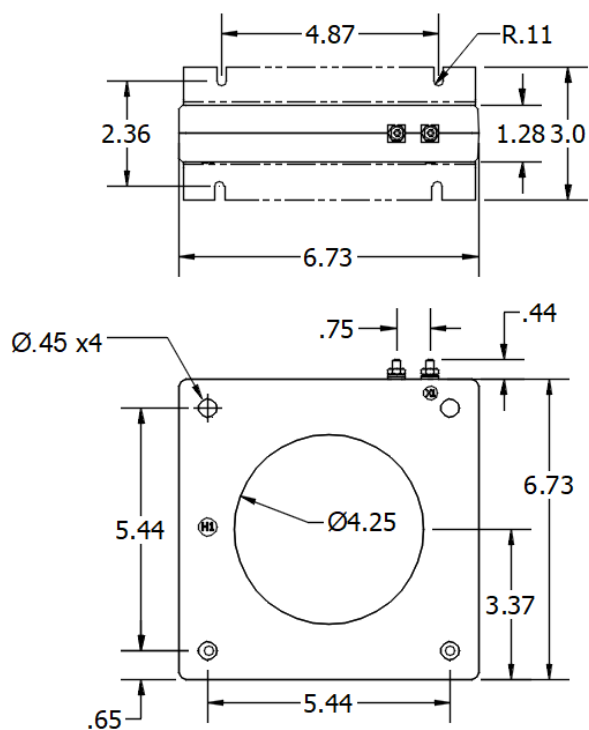


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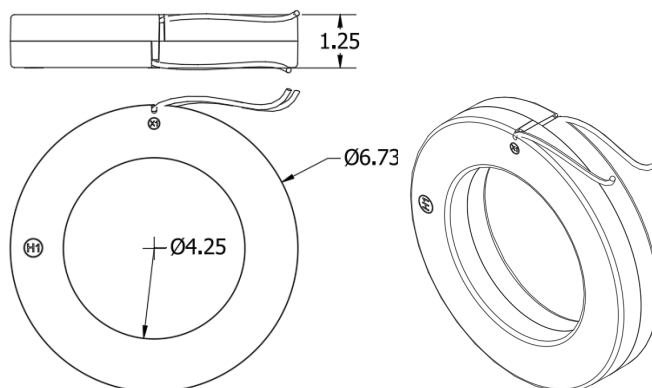
**Model 170**

rev 08192025

**170SHT**



**170RL**



**EXCITATION CURVE**

