

# MODEL 780I

## Current Transformer - IEC Rated 50 Hz

Window Diameter 165 mm



REGULATORY AGENCY APPROVALS



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

### Application

Protective and measuring.

### Frequency

50-400 Hz.

### Insulation Level

0.72 kV.

### Continuous Thermal Current Rating Factor

Secondary terminals are brass screws ASA 10-32 with one flatwasher and lockwasher, accessible from either side.

Approximate weight 13.6 kg.

Excitation data available upon request.



GE VERNOVA



## Model 780I

1 Amp Secondary

| CATALOG<br>NUMBER | CURRENT<br>RATIO | IEC 44-1 PROTECTION CLASS AT 50 Hz |       |       |       |       | IEC 44-1 MEASURING CLASS AT 50 Hz |     |     |     |     | CONTINUOUS<br>THERMAL<br>RATING<br>FACTOR 30°C |
|-------------------|------------------|------------------------------------|-------|-------|-------|-------|-----------------------------------|-----|-----|-----|-----|------------------------------------------------|
|                   |                  | BURDEN VA                          |       |       |       |       | BURDEN VA                         |     |     |     |     |                                                |
|                   |                  | 2.5                                | 5     | 10    | 15    | 30    | 2.5                               | 5   | 10  | 15  | 30  |                                                |
| 780I-500-1        | 50:1             | 10P10                              | -     | -     | -     | -     | 3.0                               | 3.0 | -   | -   | -   | 1.0                                            |
| 780I-750-1        | 75:1             | 10P15                              | 10P5  | -     | -     | -     | 3.0                               | 3.0 | -   | -   | -   | 1.0                                            |
| 780I-101-1        | 100:1            | 10P20                              | 10P10 | 10P5  | -     | -     | 3.0                               | 3.0 | 3.0 | -   | -   | 1.0                                            |
| 780I-151-1        | 150:1            | 5P30                               | 5P15  | 5P5   | 10P5  | -     | 0.5                               | 1.0 | 3.0 | 3.0 | 3.0 | 1.0                                            |
| 780I-201-1        | 200:1            | 5P30                               | 5P20  | 5P10  | 5P5   | -     | 0.5                               | 0.5 | 1.0 | 1.0 | 3.0 | 1.0                                            |
| 780I-251-1        | 250:1            | 5P30                               | 5P30  | 10P15 | 10P10 | 10P5  | 0.5                               | 0.5 | 0.5 | 1.0 | 1.0 | 1.0                                            |
| 780I-301-1        | 300:1            | 5P30                               | 5P30  | 5P15  | 5P10  | 5P5   | 0.5                               | 0.5 | 0.5 | 0.5 | 1.0 | 1.0                                            |
| 780I-401-1        | 400:1            | 5P30                               | 5P30  | 10P25 | 10P15 | 5P5   | 0.2                               | 0.2 | 0.5 | 0.5 | 0.5 | 1.0                                            |
| 780I-501-1        | 500:1            | 5P30                               | 5P30  | 10P25 | 10P20 | 10P10 | 0.2                               | 0.2 | 0.2 | 0.5 | 0.5 | 1.0                                            |
| 780I-601-1        | 600:1            | 5P30                               | 5P30  | 10P25 | 10P15 | 5P5   | 0.2                               | 0.2 | 0.2 | 0.5 | 0.5 | 1.0                                            |
| 780I-751-1        | 750:1            | 5P30                               | 5P30  | 10P30 | 10P20 | 10P10 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.5 | 1.0                                            |
| 780I-801-1        | 800:1            | 5P30                               | 5P30  | 10P30 | 10P20 | 10P10 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.5 | 1.0                                            |
| 780I-102-1        | 1,000:1          | 5P30                               | 5P30  | 10P30 | 10P20 | 5P10  | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-122-1        | 1,200:1          | 5P30                               | 5P30  | 10P30 | 10P25 | 10P15 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-152-1        | 1,500:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 5P15  | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-162-1        | 1,600:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 10P20 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-202-1        | 2,000:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 5P20  | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-252-1        | 2,500:1          | 5P30                               | 5P30  | 10P30 | 10P25 | 5P15  | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-302-1        | 3,000:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 10P20 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-322-1        | 3,200:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 10P20 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-352-1        | 3,500:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 10P20 | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |
| 780I-402-1        | 4,000:1          | 5P30                               | 5P30  | 5P30  | 10P30 | 5P20  | 0.2                               | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |

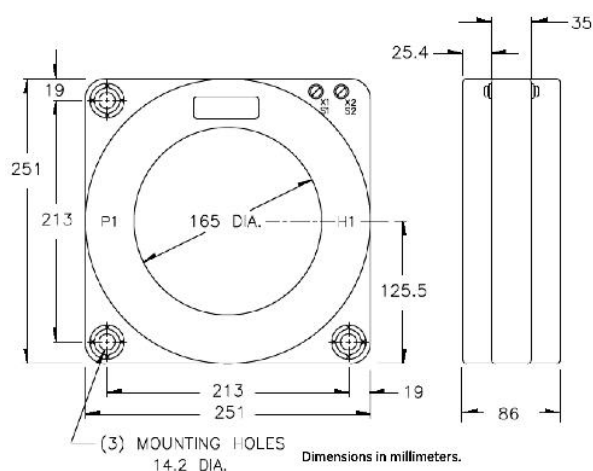
Note: Nameplate Ratings Bold Faced

## Model 780I

5 Amp Secondary

| CATALOG<br>NUMBER | CURRENT<br>RATIO | IEC 60044-1 PROTECTION CLASS AT 50 Hz |       |      |      |      | IEC 60044-1 MEASURING CLASS AT 50 Hz |     |     |     |     | CONTINUOUS<br>THERMAL<br>RATING<br>FACTOR 30°C |
|-------------------|------------------|---------------------------------------|-------|------|------|------|--------------------------------------|-----|-----|-----|-----|------------------------------------------------|
|                   |                  | BURDEN VA                             |       |      |      |      | BURDEN VA                            |     |     |     |     |                                                |
|                   |                  | 2.5                                   | 5     | 10   | 15   | 30   | 2.5                                  | 5   | 10  | 15  | 30  |                                                |
| 780I-500-5        | 50:5             | -                                     | -     | -    | -    | -    | 5.0                                  | -   | -   | -   | -   | 2.0                                            |
| 780I-750-5        | 75:5             | 10P15                                 | 10P5  | -    | -    | -    | 3.0                                  | 3.0 | -   | -   | -   | 2.0                                            |
| 780I-101-5        | 100:5            | 10P15                                 | 10P10 | 10P5 | -    | -    | 3.0                                  | 3.0 | 3.0 | -   | -   | 2.0                                            |
| 780I-151-5        | 150:5            | 5P20                                  | 10P10 | 10P5 | -    | -    | 1.0                                  | 3.0 | 1.0 | -   | -   | 2.0                                            |
| 780I-201-5        | 200:5            | 5P20                                  | 5P15  | 5P10 | 10P5 | -    | 0.5                                  | 1.0 | 1.0 | 3.0 | -   | 2.0                                            |
| 780I-251-5        | 250:5            | 5P30                                  | 5P20  | 5P10 | 5P5  | -    | 0.5                                  | 0.5 | 1.0 | 1.0 | 3.0 | 2.0                                            |
| 780I-301-5        | 300:5            | 5P30                                  | 5P30  | 5P15 | 5P10 | 5P5  | 0.5                                  | 0.5 | 0.5 | 1.0 | 1.0 | 2.0                                            |
| 780I-401-5        | 400:5            | 5P30                                  | 5P30  | 5P20 | 5P15 | 5P5  | 0.2                                  | 0.5 | 0.5 | 1.0 | 1.0 | 2.0                                            |
| 780I-501-5        | 500:5            | 5P30                                  | 5P30  | 5P20 | 5P20 | 5P10 | 0.2                                  | 0.2 | 0.2 | 0.5 | 1.0 | 2.0                                            |
| 780I-601-5        | 600:5            | 5P30                                  | 5P30  | 5P30 | 5P20 | 5P10 | 0.2                                  | 0.2 | 0.2 | 0.5 | 0.5 | 2.0                                            |
| 780I-751-5        | 750:5            | 5P30                                  | 5P30  | 5P30 | 5P20 | 5P15 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.5 | 2.0                                            |
| 780I-801-5        | 800:5            | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P15 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 2.0                                            |
| 780I-102-5        | 1,000:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 2.0                                            |
| 780I-122-5        | 1,200:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 2.0                                            |
| 780I-152-5        | 1,500:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-162-5        | 1,600:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P30 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-202-5        | 2,000:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-252-5        | 2,500:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P30 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-302-5        | 3,000:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P30 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.33                                           |
| 780I-322-5        | 3,200:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-352-5        | 3,500:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.5                                            |
| 780I-402-5        | 4,000:5          | 5P30                                  | 5P30  | 5P30 | 5P30 | 5P20 | 0.2                                  | 0.2 | 0.2 | 0.2 | 0.2 | 1.0                                            |

Note: Nameplate Ratings Bold Faced



For more information, visit  
[gevernova.com/grid-solutions](https://gevernova.com/grid-solutions)

Instrument Transformers LLC reserve the right to change specifications of described products at any time without notice and without obligation to notify any person of such changes.

© 2025 GE Vernova and/or its affiliates. All rights reserved. GE and the GE Monogram are trademarks of General Electric Company used under trademark license.



GE VERNOVA

GEA-N50722  
 English  
 251009