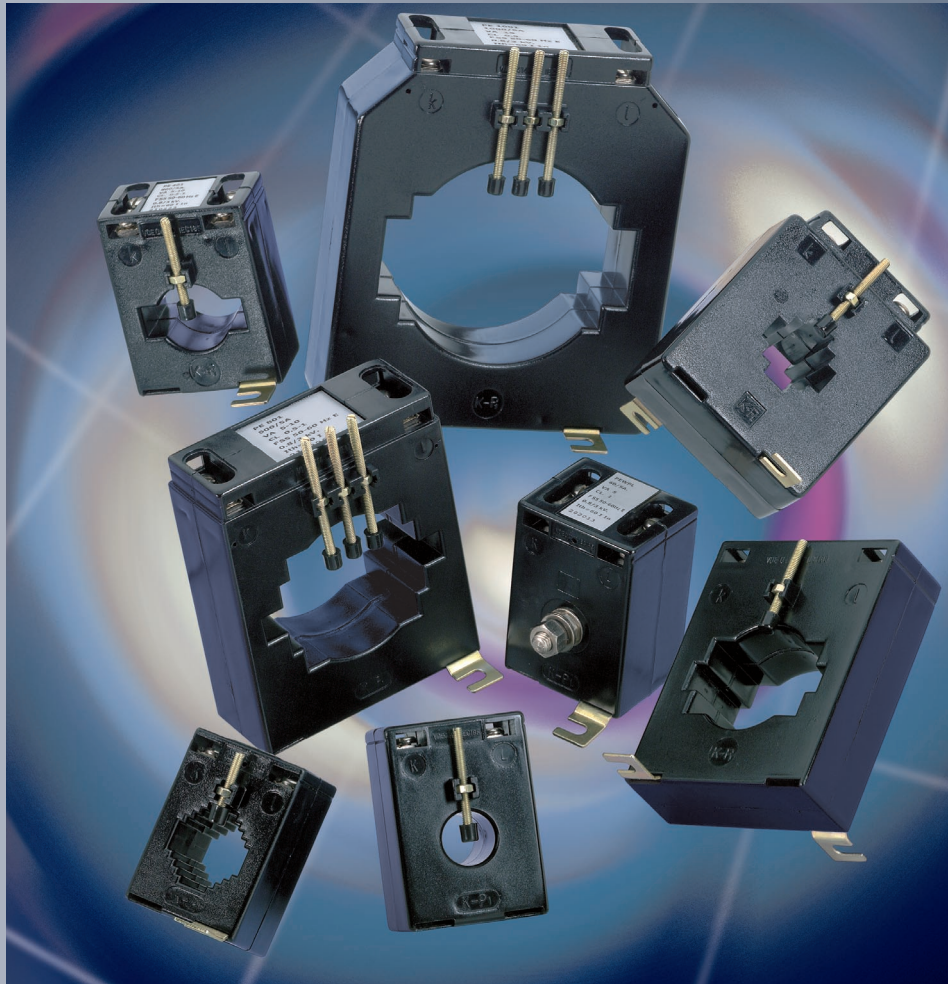


**PE Range**  
**Moulded Case Current Transformers**





## PE Range Moulded Case Current Transformers

An extensive range of high quality current transformers offering comprehensive measuring class accuracies. The PE range provides accurate measurement of high primary currents, converting to a 5 Amp secondary current, proportional to the primary current. To suit the requirements of most applications, the range offers a wide selection of system current ratings, busbar sizes, case widths and apertures.

### Features

- High Quality
- Comprehensive Measuring Class Accuracies
- Wide Range of System Current Ratings, and Case Widths
- Aperture Sizes to Suit Industry Standard Cable and Busbar Dimensions
- Wire Sealable Terminal Covers
- Feet and Busbar Mounting Options

### Benefits

- Reduction of High Currents for Ease of Metering
- Accuracy up to Class 0.5
- Isolated Output for Safety
- Long Product Life

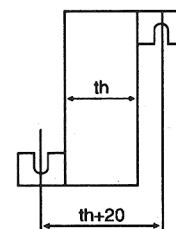
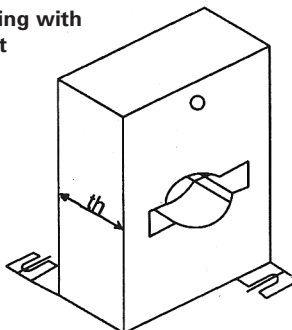
### Applications

- Switchgear
- Distribution Systems
- Generator Sets
- Control Panels
- Overload Protection
- Control Devices

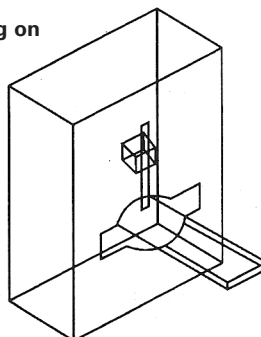
### General Specification

|                                |                                      |
|--------------------------------|--------------------------------------|
| System Voltage:                | 720V maximum                         |
| Test Voltage:                  | 3kV for 1 minute                     |
| System Frequency:              | 50Hz or 60Hz.                        |
| Primary Ratings:               | From 5A to 4000A                     |
| Secondary Outputs:             | 5A is standard                       |
| Short Circuit Thermal:         | 3kA for 1 second                     |
| Overload Withstand:            | 1.2 times rated current continuously |
| Rated Dynamic Current          | 7.5kA for 1 second                   |
| Saturation Coefficient:        | <6                                   |
| Insulation Class BS2757 IEC85: | Class E                              |
| Secondary Terminals:           | M5 screw clamps                      |
| Operating Temperature:         | -20°C to +70°C                       |
| Humidity:                      | Up to 95% RH (non condensing)        |
| Enclosure:                     | Flame retardant glass filled ABS     |
| Compliant With:                | VDE404 and IEC185                    |
| Mounting Hardware:             | Feet and busbar screws               |

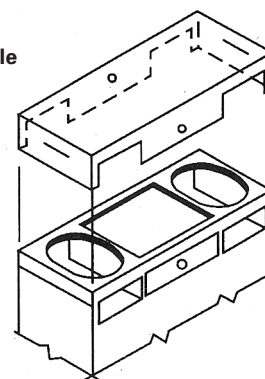
#### Mounting with Bracket



#### Mounting on Bus Bars



#### Sealable Cap



# Moulded Case Measuring Current Transformers

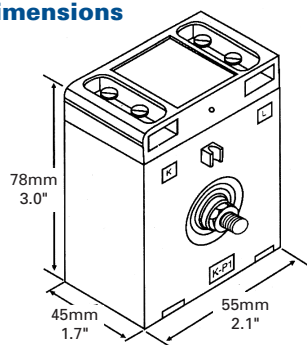


## PEWPL Range

Case Size: 55mm wide x 45mm deep x 78mm high  
 2.1" wide x 1.7" deep x 3.0" high  
 Fixing: M8 stud primary bar  
 Weight: 0.45Kg

| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PEWPL      | 5/5         | -             | 5             | -               |
| PEWPL      | 10/5        | -             | 5             | -               |
| PEWPL      | 15/5        | -             | 5             | -               |
| PEWPL      | 20/5        | -             | 5             | -               |
| PEWPL      | 25/5        | -             | 5             | -               |
| PEWPL      | 30/5        | -             | 5             | -               |
| PEWPL      | 40/5        | -             | 5             | -               |
| PEWPL      | 60/5        | -             | 5             | -               |

## Dimensions



## Ordering Codes

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| <b>PEWPL-</b> | Add suffix to depict required ratio range.<br>For example: PEWPL-5/5 |
|---------------|----------------------------------------------------------------------|

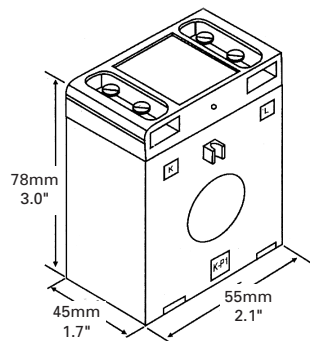


## PE 201 Range

Case Size: 55mm wide x 45mm deep x 78mm high  
 2.1" wide x 1.7" deep x 3.0" high  
 Aperture: 20mm diameter  
 0.8" diameter  
 Weight: 0.4Kg

| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE201      | 30/5        | 1.5           | -             | -               |
| PE201      | 40/5        | 1.5           | -             | -               |
| PE201      | 50/5        | -             | 1.5           | -               |
| PE201      | 60/5        | -             | 1.5           | -               |
| PE201      | 80/5        | -             | 4             | -               |
| PE201      | 100/5       | -             | 4             | -               |
| PE201      | 200/5       | -             | 8             | -               |
| PE201      | 250/5       | -             | 10            | -               |

## Dimensions

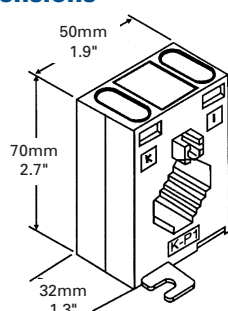


## Ordering Codes

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| <b>PE201-</b> | Add suffix to depict required ratio range.<br>For example: PE201-50/5 |
|---------------|-----------------------------------------------------------------------|



## Dimensions



## PE 301 Range

Case Size: 50mm wide x 32mm deep x 70mm high  
1.9" wide x 1.3" deep x 2.7" high

Aperture: 30 x 10mm, 25 x 15mm and 20 x 20mm horizontal & vertical  
1.2" x 0.4", 1" x 0.6" and 0.8" x 0.8" horizontal & vertical

Weight: 0.22Kg

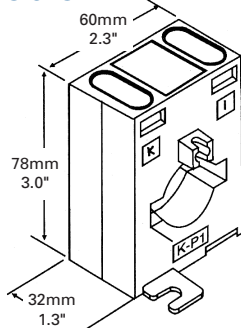
| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE301      | 75/5        | 1             | -             | -               |
| PE301      | 80/5        | 1             | -             | -               |
| PE301      | 100/5       | -             | 1             | -               |
| PE301      | 125/5       | -             | 1             | -               |
| PE301      | 150/5       | 2.5           | 1             | -               |
| PE301      | 200/5       | 3             | 2.5           | -               |
| PE301      | 250/5       | 3             | 2.5           | -               |
| PE301      | 300/5       | 5             | 2.5           | -               |
| PE301      | 400/5       | 7.5           | 5             | -               |
| PE301      | 500/5       | 7.5           | 5             | -               |
| PE301      | 600/5       | 7.5           | 5             | -               |

## Ordering Codes

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| <b>PE301-</b> | Add suffix to depict required ratio range.<br>For example: PE301-75/5 |
|---------------|-----------------------------------------------------------------------|



## Dimensions



## PE 401 Range

Case Size: 60mm wide x 32mm deep x 78mm high  
2.3" wide x 1.3" deep x 3.0" high

Aperture: 40 x 12mm and 28mm diameter  
1.6" x 0.5" and 1.1" diameter

Weight: 0.3Kg

| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE401      | 150/5       | -             | 2.5           | -               |
| PE401      | 200/5       | -             | 2.5           | -               |
| PE401      | 250/5       | 5             | 2.5           | -               |
| PE401      | 300/5       | 5             | 2.5           | -               |
| PE401      | 400/5       | 7.5           | 5             | -               |
| PE401      | 500/5       | -             | 7.5           | 5               |
| PE401      | 600/5       | -             | 7.5           | 5               |
| PE401      | 750/5       | -             | 7.5           | 5               |
| PE401      | 800/5       | -             | 7.5           | 5               |

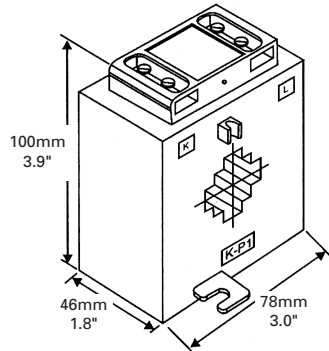
## Ordering Codes

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| <b>PE401-</b> | Add suffix to depict required ratio range.<br>For example: PE401-150/5 |
|---------------|------------------------------------------------------------------------|

# Moulded Case Measuring Current Transformers



## Dimensions



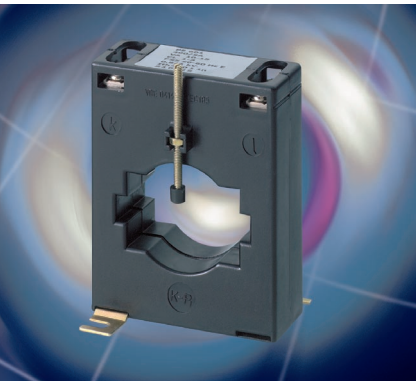
## PE 501 Range

Case Size: 78mm wide x 46mm deep x 100mm high  
3.0" wide x 1.8" deep x 3.9" high  
Aperture: 30 x 10mm, 20 x 20mm horizontal & vertical  
1.2" x 0.4", 0.8" x 0.8" horizontal & vertical  
Weight: 0.65Kg

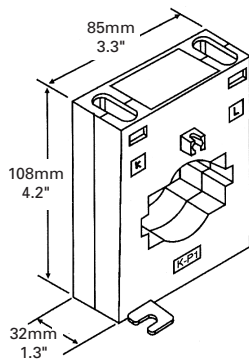
| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE501      | 100/5       | 7.5           | 5             | 2.5             |
| PE501      | 150/5       | 15            | 10            | 7.5             |
| PE501      | 200/5       | 25            | 15            | 10              |
| PE501      | 250/5       | 25            | 15            | 10              |
| PE501      | 300/5       | 25            | 15            | 10              |
| PE501      | 400/5       | -             | -             | 30              |
| PE501      | 500/5       | -             | -             | 30              |
| PE501      | 600/5       | -             | -             | 30              |

## Ordering Codes

|        |                                                                        |
|--------|------------------------------------------------------------------------|
| PE501- | Add suffix to depict required ratio range.<br>For example: PE501-100/5 |
|--------|------------------------------------------------------------------------|



## Dimensions



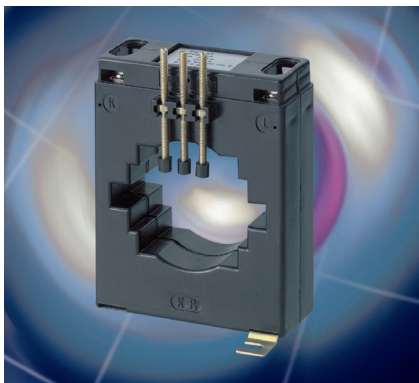
## PE 601 Range

Case Size: 85mm wide x 32mm deep x 108mm high  
3.3" wide x 1.3" deep x 4.2" high  
Aperture: 60 x 10mm, 50 x 30mm and 45mm diameter  
2.3" x 0.4", 1.9" x 1.2" and 1.7" diameter  
Weight: 0.45Kg

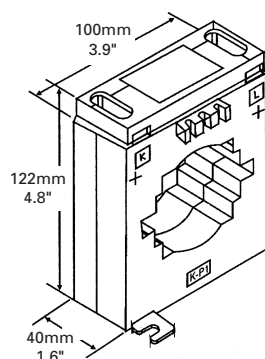
| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE601      | 400/5       | -             | 10            | -               |
| PE601      | 500/5       | -             | 10            | -               |
| PE601      | 600/5       | -             | 15            | 10              |
| PE601      | 750/5       | -             | 15            | 10              |
| PE601      | 800/5       | -             | 15            | 10              |
| PE601      | 1000/5      | -             | 15            | 10              |
| PE601      | 1200/5      | -             | -             | 15              |
| PE601      | 1250/5      | -             | -             | 15              |
| PE601      | 1500/5      | -             | -             | 15              |
| PE601      | 1600/5      | -             | -             | 15              |

## Ordering Codes

|        |                                                                        |
|--------|------------------------------------------------------------------------|
| PE601- | Add suffix to depict required ratio range.<br>For example: PE601-400/5 |
|--------|------------------------------------------------------------------------|



## Dimensions



## PE 801 Range

Case Size: 100mm wide x 40mm deep x 122mm high  
3.9" wide x 1.6" deep x 4.8" high

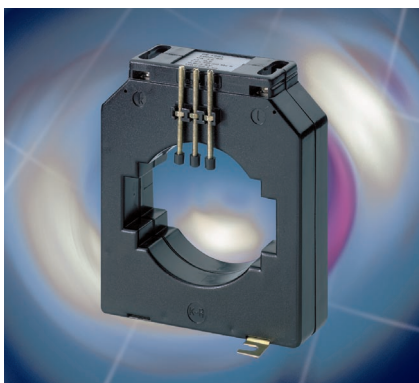
Aperture: 80 x 10mm, 60 x 30mm, 50 x 50mm and 60mm diameter  
3.1" x 0.4", 2.3" x 1.2", 1.9" x 1.9" and 2.3" diameter

Weight: 0.5Kg

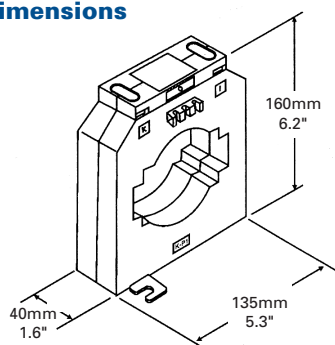
| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE801      | 400/5       | -             | 5             | 5               |
| PE801      | 500/5       | -             | 7.5           | 5               |
| PE801      | 600/5       | -             | 7.5           | 5               |
| PE801      | 750/5       | -             | 15            | 10              |
| PE801      | 800/5       | -             | 15            | 10              |
| PE801      | 1000/5      | -             | 15            | 10              |
| PE801      | 1200/5      | -             | -             | 10              |
| PE801      | 1250/5      | -             | 15            | 10              |
| PE801      | 1500/5      | -             | 15            | 10              |
| PE801      | 1600/5      | -             | 15            | 10              |
| PE801      | 2000/5      | -             | 15            | 10              |

## Ordering Codes

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| <b>PE801-</b> | Add suffix to depict required ratio range.<br>For example: PE801-400/5 |
|---------------|------------------------------------------------------------------------|



## Dimensions



## PE 1001 Range

Case Size: 135mm wide x 40mm deep x 160mm high  
5.3" wide x 1.6" deep x 6.2" high

Aperture: 100 x 30mm, 80 x 50mm and 85mm diameter  
3.9" x 1.2", 3.1" x 1.9" and 3.3" diameter

Weight: 0.7Kg

| Model Type | Ratio Range | VA at Class 3 | VA at Class 1 | VA at Class 0.5 |
|------------|-------------|---------------|---------------|-----------------|
| PE1001     | 400/5       | -             | -             | 5               |
| PE1001     | 500/5       | -             | 10            | 5               |
| PE1001     | 600/5       | 15            | 10            | 5               |
| PE1001     | 750/5       | -             | 15            | 10              |
| PE1001     | 800/5       | -             | 15            | 10              |
| PE1001     | 1000/5      | -             | 15            | 15              |
| PE1001     | 1200/5      | -             | 15            | 15              |
| PE1001     | 1250/5      | -             | 15            | 15              |
| PE1001     | 1500/5      | -             | 30            | 15              |
| PE1001     | 1600/5      | -             | 30            | 15              |
| PE1001     | 2000/5      | -             | 30            | 15              |
| PE1001     | 3000/5      | -             | -             | 30              |
| PE1001     | 4000/5      | -             | -             | 30              |

## Ordering Codes

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| <b>PE1001-</b> | Add suffix to depict required ratio range.<br>For example: PE1001-400/5 |
|----------------|-------------------------------------------------------------------------|

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, BOWTHORPE EMP, CROMPTON INSTRUMENTS, DORMAN SMITH, DULMISON, GURO, HELLSTERN, LA PRAIRIE, MORLYNN, RAYCHEM, and SIMEL are trademarks.

**AMP****AXICOM****Bowthorpe EMP****Hellstern****Raychem****SIMEL**

**Energy Division – a pioneer in the development of economical solutions for the electrical power industry. Our product range includes: Cable accessories, connectors & fittings, electrical equipment, instruments, lighting, insulators & insulation enhancement and surge arresters.**

For more information and your country contact person, please visit us at:  
**<http://energy.tycoelectronics.com>**

Tyco Electronics UK Limited, Crompton Instruments  
Freebournes Road, Witham, Essex, CM8 3AH, UK  
Phone: ++44 1376 509 509 Fax: ++44 1376 509 511