

# CURRENT TRANSFORMERS WITH 4/20MA OR 0..5/10V SIGNAL OUTPUT

for the measurement of AC current

## LCTR 44/21

Offering a reliable, efficient, and robust current transformer for measurement of AC current it provides outputs of 4/20mA, 0/5V or 0/10V. Measurement for low current applications of 10A to 150Amps AC into a standard DC output signal.



### OMEGA XMER FEATURES

- Wire sealable terminal covers
- Cost effective solution
- Base mounting
- Loop and self-powered models
- Customer selectable 5V or 10V DC output
- Compact model size
- High accuracy: Class 0.5 all models

### SPECIFICATIONS

- |                          |                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Primary current        | 10A to 150A                                                                                                                                                                                                                 |
| • Secondary output       | 4/20mA, 0/5V or 0/10V (user selectable) by part number<br>0..5V/10V (self-powered)<br>4/20mA DC (15-30V DC loop-powered 24V nominal, maximum load 600ohms@24V DC)                                                           |
| • Accuracy               | class 0.5                                                                                                                                                                                                                   |
| • Burden resistance      | Current output: $R_B = 600\Omega$ max. @24V Aux.<br>$R_B = 300\Omega$ max. @15V Aux.<br>Voltage output: $R_B = 1M\Omega$ min. for 10A to 20A<br>$R_B = 400k\Omega$ min. for 50A<br>$R_B = 200k\Omega$ min. for 100A to 150A |
| • Response time          | For Voltage Output: < 250ms<br>For Current Output : < 650ms } 150A                                                                                                                                                          |
| • Rated frequency        | 50Hz or 60Hz                                                                                                                                                                                                                |
| • Rated continuous       | thermal current (standard) 1, 2 x in                                                                                                                                                                                        |
| • Isolation test voltage | (IEC 61010-1) 3 kV AC , 50 Hz, 60 Seconds                                                                                                                                                                                   |
| • Altitude               | up to 2000m                                                                                                                                                                                                                 |
| • Degree of protection   | IP20                                                                                                                                                                                                                        |
| • Degree of pollution    | 2                                                                                                                                                                                                                           |
| • Ambient temperature    | 23°C (45-55 % relative humidity, non-condensing)                                                                                                                                                                            |
| • Storage temperature    | -25°C to + 70°C                                                                                                                                                                                                             |
| • Applied standards      | Safety IEC 61010-1, 2010. Performance IEC 60688, 2012.                                                                                                                                                                      |

**Call us now for more information: 01376 335271**

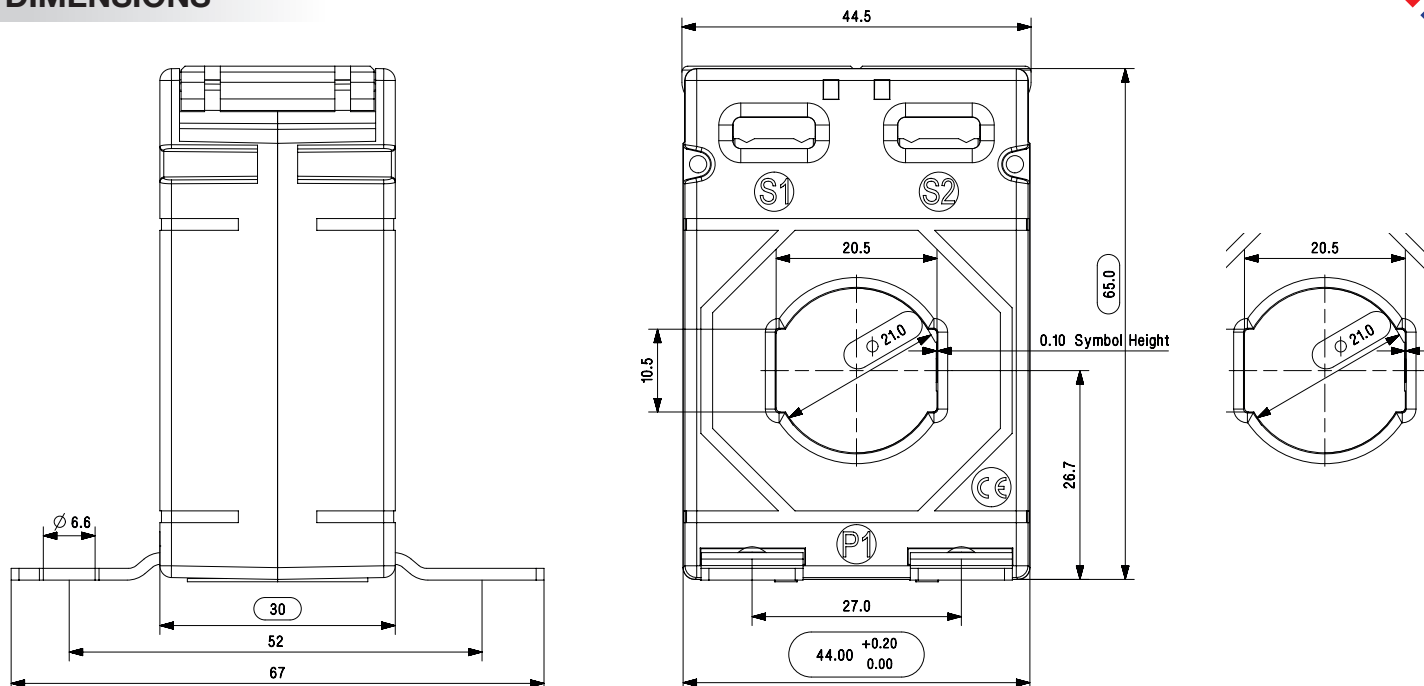


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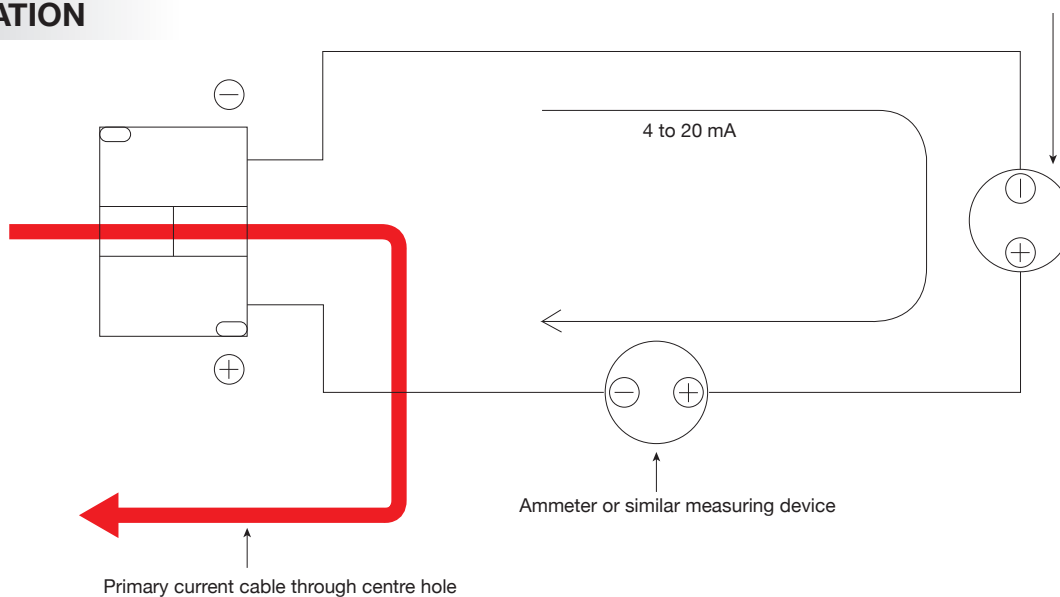
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## DIMENSIONS



## INSTALLATION



| Product code       | Description, Loop-Powered |
|--------------------|---------------------------|
| CCT2-CAA42LP0000ST | 10A = 4-20mA              |
| CCT2-CAB42LP0000ST | 20A = 4-20mA              |
| CCT2-CAC42LP0000ST | 50A = 4-20mA              |
| CCT2-CAD42LP0000ST | 100A = 4-20mA             |
| CCT2-CAE42LP0000ST | 150A = 4-20mA             |

| Product code       | Description, Self-Powered |
|--------------------|---------------------------|
| CCT2-VAA51SP0000ST | 10A = 0.5/10V             |
| CCT2-VAB51SP0000ST | 20A = 0.5/10V             |
| CCT2-VAC51SP0000ST | 50A = 0.5/10V             |
| CCT2-VAD51SP0000ST | 100A = 0.5/10V            |
| CCT2-VAE51SP0000ST | 150A = 0.5/10V            |

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