

ASC400-AC AC Current Transducer

- Split core CT for easy Installation
- Loop powered, reducing wiring
- 3 year warranty as standard
- CE compliant
- Connect directly to PLC, Data Logger, or Amelec SIL 2 Trip Amp, Transmitter or Meter

APPLICATION

- AC current monitoring.
- AC current signal conditioning.

TECHNICAL SPECIFICATION

INPUT

0-400A AC
(0-30A up to 500A AC Current ranges available)

OUTPUT

4-20mA
(I/P = 0A 200A 400A
O/P = 4mA 12mA 20mA)
Output Load: 80 to 600 ohms

SUPPLY

Nom 24Vdc \pm 5%

PERFORMANCE

Linearity: $< \pm 1\%$
Accuracy: $< \pm 0.5\%$
Response time: $\leq 20\text{ms}$
Freq Bandwidth: 20 to 10KHz

CONTROLS

1 turn potentiometers for output calibration.

Zero: $\pm 25\%$

Span: $\pm 25\%$

PROTECTION

Isolation: 3000V RMS Input / Output / Case
Input over range: up to 200% continuous.
Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

Storage temperature: -40 to +90 °C
Operating Ambient: -25 to +80 °C
Thermal drift: $< 0.005\%/^{\circ}\text{C}$
Relative Humidity: 20 to 95% RH

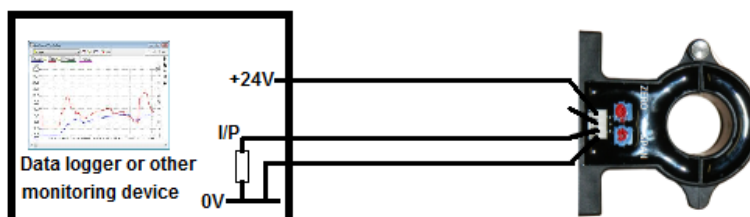
MOUNTING

Mounting: Surface or Clip on
Weight: 70g
Installation: CAT II



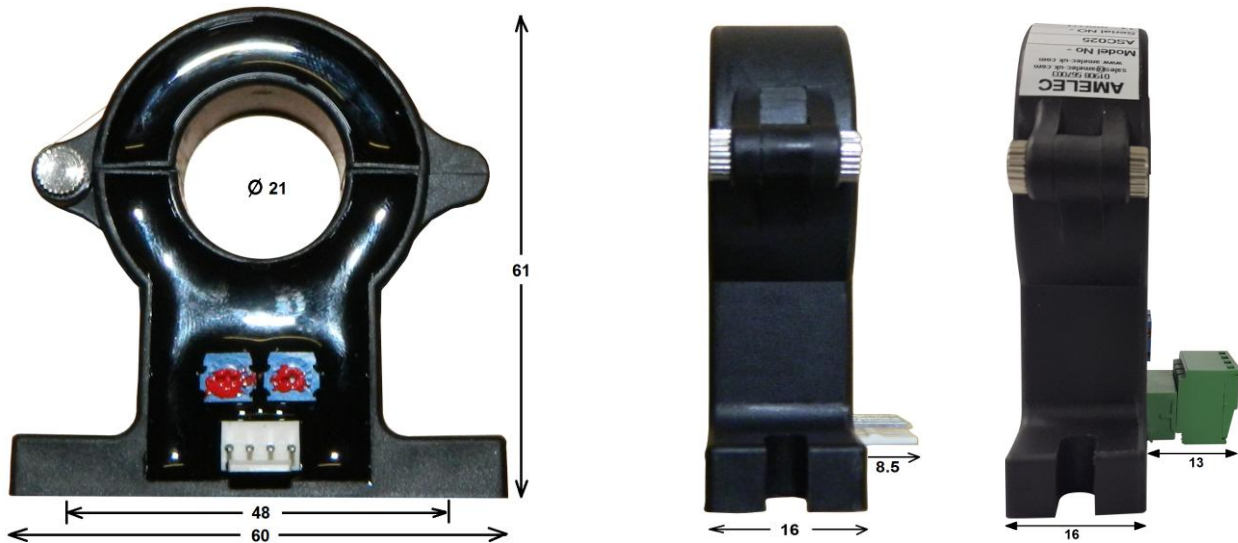
WIRING

(4 way Molex connector / 1 Metre Multi core sleeved cable)



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DIMENSION (mm)



INSTALLATION

To avoid damage to the case, input cable should be formed to shape and supported.

1. Remove screw to release split-core



2. Place the cable



3. Screw the split-core back into closed position



4. Finish



SAFETY NOTE:

Although the voltage(s) directly connected to this instrument and its internal voltages are low, the cable running through the split core may carry dangerously high voltage. For this reason, this product should only be installed by a competent person. If the unit fails to operate correctly then first check that the wiring is correct. Under no circumstances is the unit to be taken apart to gain access to internal circuitry for any reason whilst it has a live cable through the split core.