

ASC400-V DC Current Transducer

- Split core CT for non-intrusive installation
- Loop powered, reducing wiring
- 2 year warranty as standard
- CE compliant

APPLICATION

- High DC Current signal conditioning

TECHNICAL SPECIFICATION

INPUT

0-400Amp DC

(Other models/ranges available, inc. 0-100 / 200 / 300 / 500A)

OUTPUT

0-10Vdc

SUPPLY

24Vdc $\pm 5\%$

PERFORMANCE

Linearity: $< \pm 1\%$

Accuracy: $< \pm 1\%$

Consumption: $< 20\text{mA}$ (For Supply Voltage +24Vdc)

Freq Bandwidth: DC to 20kHz

CONTROLS

1 turn potentiometers for output calibration.

Zero: $\pm 10\%$

Span: $\pm 10\%$

PROTECTION

Insulation Voltage 2.5kV, AC/50Hz/1min

Input over range up to 300% continuous.

Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

Storage temperature: -40 to $+100^\circ\text{C}$

Operating Ambient: -25 to 85°C

Relative Humidity: 20 to 95% RH

Temp Coefficient: $< 0.05\%/^\circ\text{C}$

MOUNTING

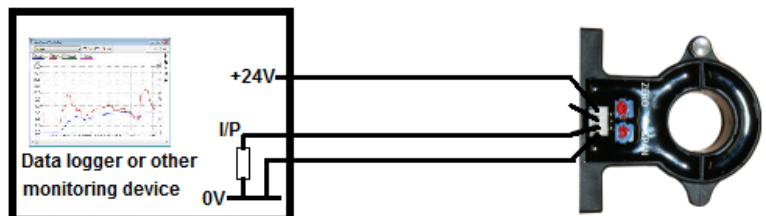
Mounting: Clip on / Surface as standard
(Optional Din Rail Mounting foot available)

Weight $< 70\text{g}$

Installation: CAT II



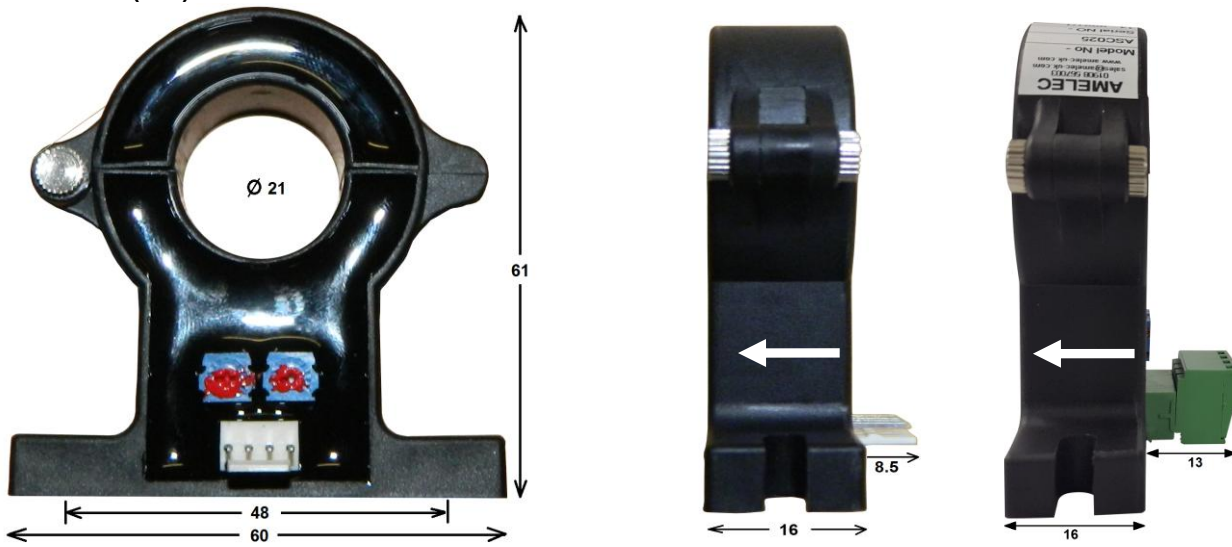
WIRING



NOTE: Incorrect connection may lead to damage of the sensor.

ASC400-V DC Current Transducer

DIMENSION (mm)



INSTALLATION

V-out is positive when the primary current flows in the direction of the arrow.

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 dangerous high voltage. For this reason, this product should be installed by a competent person. If the unit fails to operate correctly then first check if the wiring is correct. Under no circumstance is the unit to be taken apart to gain access to internal circuitry for any reason whilst it has live cable through the split core.