

ASC Series DC Current Transducer

- Split core CT for easy Installation
- Loop powered, reducing wiring
- 2 year guarantee as standard
- CE compliant
- Connect directly to PLC

APPLICATION

- Motor / Heating element current monitoring.
- Current signal conditioning.

TECHNICAL SPECIFICATION

INPUT

Current can be specified in the range of:
0-50A, 0-100A, 0-200A, 0-300A, 0-400A, 0-500A

OUTPUT

4 – 20mA DC Sinking current. 20mA max
Output Load: 450R ohms max @ 24Vdc supply.
Loop voltage 24Vdc \pm 10%
Linearity: $< \pm 0.5\%$
Accuracy: $< \pm 1\%$
Consumption: 25mA + I out
Freq Bandwidth: DC to 20kHz

CONTROLS

15 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

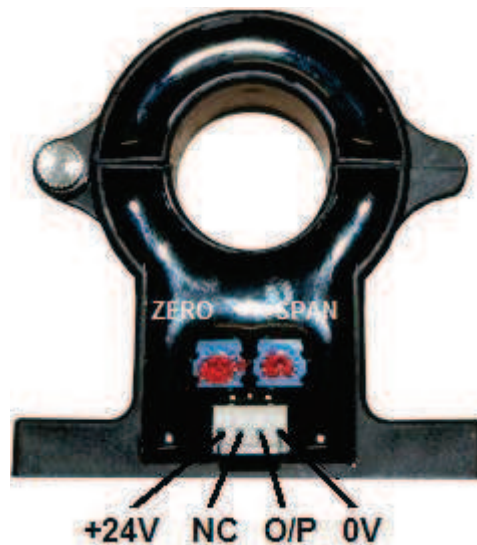
Storage temperature: - 40 to +100 °C
Operating Ambient: -25 to 85 °C
Relative Humidity: 20 to 95% RH
Temp Coefficient: $< 0.03\% / ^\circ\text{C}$

MOUNTING

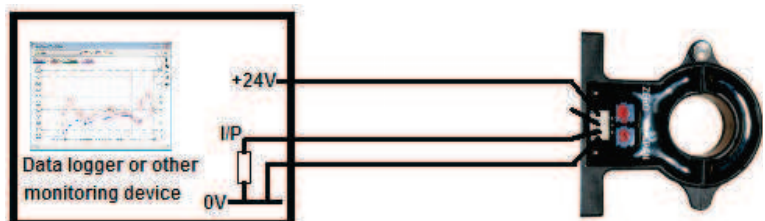
Mounting: Surface
Weight < 70g
Installation: CAT II



WIRING

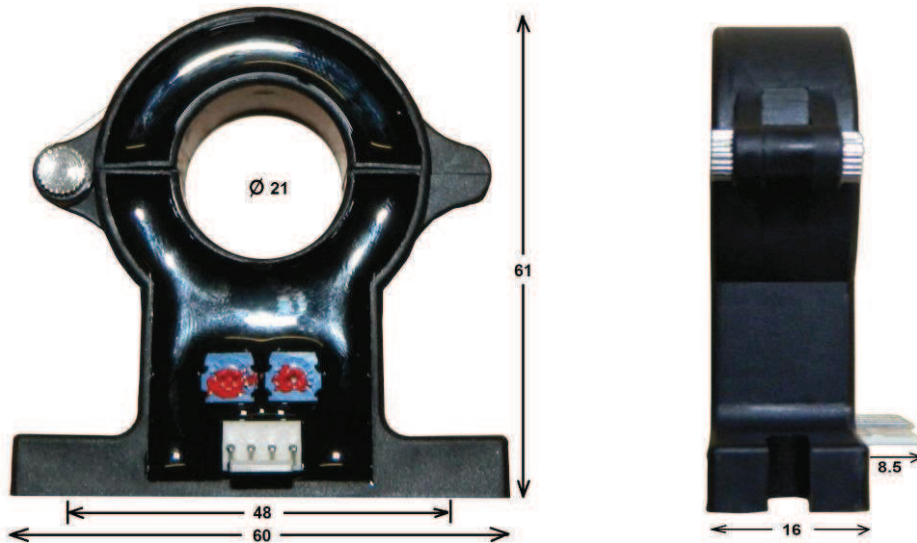


Molex 4 way Connector



ASC Series DC Transducer

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 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.