ASC200 DC Current Transducer, with 1m length side integrated cable

- Split core CT for easy non-intrusive installation
- Loop powered, reducing wiring
- SIL 2 rated (IEC61508) as 1oo1 architecture (HFT:0)
- 3 year warranty as standard
- CE compliant
- Connect directly to PLC / Data Logger

APPLICATION
- High DC current monitoring
- High DC current signal conditioning (direct to 4-20mA)

TECHNICAL SPECIFICATION

INPUT

0-200A DC (*Ø21mm aperture*)

Multi-Turns required at installation for ranges <200A.
E.g. 0-100A monitoring = 2 x through turns.

(Other ranges from 20A up to 500A DC are also available)

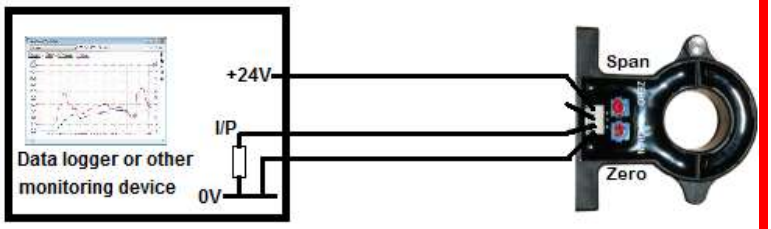
WIRING

OUTPUT
4 – 20mA DC Sinking current. 20mA max
Output Load: 450R ohms max @ 24Vdc supply.
Loop supply voltage: 24Vdc ±5%
Linearity: < ±1%
Accuracy: < ±0.5%
Consumption: 35mA + I out
Freq Bandwidth: DC to 20kHz

CONTROLS
Single turn potentiometers for output calibration,
Zero / Span: +/-10%

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

ENVIRONMENTAL CONDITIONS
Storage temperature: - 50 to +100℃
Operating Ambient:-25 to +85℃ Temp Coefficient<0.03%/℃
(Temp Coefficient at -40°C / -55°C: <0.1%/°C)
Relative Humidity: 5 to 95% RH (Non-condensing)
For 100% RH applications the zero/span adjustment pots need sealing & use only the side integrated cable option
IP Rating: IP60 as standard



MOUNTING
Mounting: Surface, or Clip on. (Weight < 70g)
Output/Supply wiring: 1m Side Integrated sleeved cable
Installation: CAT II

Additional options:
IP65 sealing on request (with side integrated cable).
Larger (40.5mm) through hole diameter available on request.

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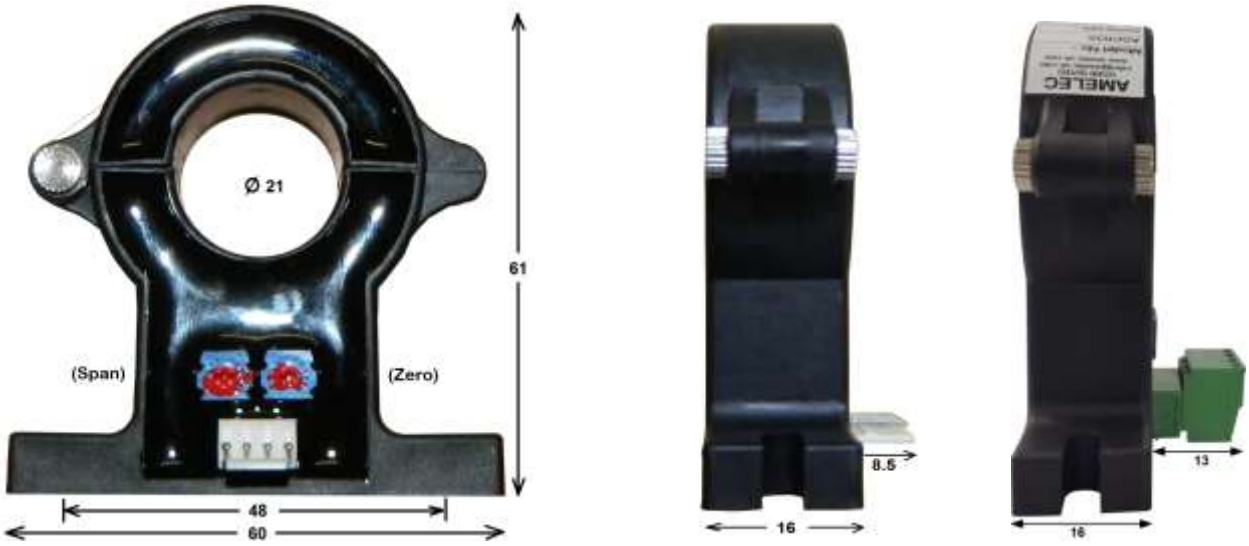
Issue 9cd: 2021

ASC020 – ASC500 Series DC Transducers

DIMENSIONS (mm)



INSTALLATION

To avoid damage to the case, the 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 be carrying 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 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 core.