

ADG230-VA Process Signal Converter / Isolator

- Suitable for use in SIL1, SIL2 and SIL3 rated Safety Instrumented System (SIS) Loop applications (EN 61508-2)
- Non-Smart / Non-uProcessor based, Type A instrument
- Ultra Compact Design - 10mm along the length of the rail. (69mm depth from the rail)
- 6 Year Warranty
- Suitable for TS32 G-Rail and TS35 Top-Hat DIN Rail Mounting



Technical Specification

Input

Any DC input up to 10V can be specified.

Typical Input: **Impedance**
0 - 2.5V 1M Ω

Output Options

Drive

4-20mA (Active port as std) Max load 450 Ω
1-5Vdc Min load 200K Ω

(4-20mA Passive/Sink port option available, max 28Vdc external)

Supply Options

24Vdc $\pm$ 10% (Red LED Power **ON** indicator)
12Vdc $\pm$ 10% (Red LED Power **ON** indicator)

Performance

Isolation: 1000V RMS Input/Output/Supply
Linearity: < $\pm$ 0.05% of full scale
Accuracy: < $\pm$ 0.1% of full scale
Input O/C response: Downscale drive
Response Time: <200mS (0-100% span step change)
(High speed response $\leq$ 25mS option 'HS' available)
Low Power Consumption: 0.75Watts

Environmental Conditions

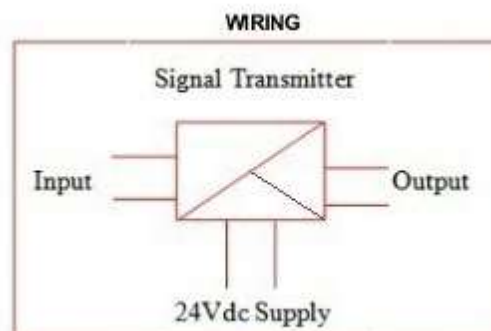
Operating Ambient: -5 to +55°C
Relative Humidity: 5 to 95% RH (Non-Condensing)
EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)
RoHS: 2011/65/EU

Enclosure Dimensions

10w x 88.5h x 69d mm

Weight: 34g

(Dummy unit enclosures available if planning for future expansion)



Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ