

ADG230 Process Signal 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

<u>Input</u>	<u>Impedance</u>
4-20mA (Passive/Sink port)	50Ω
1-5V	500KΩ

<u>Output Options</u>	<u>Drive</u>
4-20mA (Active/Source port as std)	Max load 450Ω
1-5Vdc	Min load 200KΩ

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

Supply

24Vdc ±10% (Red LED Power **ON** indicator)

Performance

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

Environmental Conditions

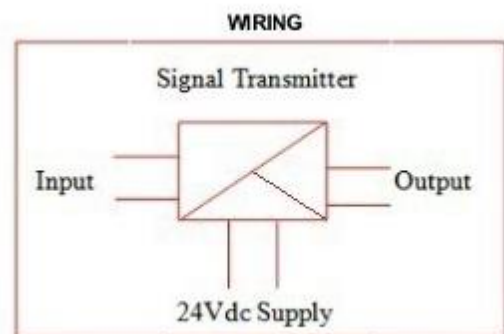
Operating Ambient: -5 to +55°C
 Relative Humidity: 5 to 95% RH (Non-Condensing)
 EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)
 RoHS: 2011/65/EU

Enclosure Dimensions

10w x 88.5h x 69d mm
 (Weight: 34g)

Customer Connections:

Fixed screw terminals, accepting solid/stranded cables up to 2.5mm², 0.3Nm max Torque.
 (Screened twisted pairs cable recommended as std for 4-20mA signals)



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