

ADM240X I/V DC Signal Generator

- Suitable for SIL 1 & SIL 2 rated safety system loop applications (IEC61508), as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac $\pm 20\%$
230Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty

Technical Specifications

Output

DC current or voltage specified in the range of:

Current up to 100mA max in Sink configuration (externally powered)

Current up to 22mA max in Source configuration (Internally powered)

Voltage from 0.4 to 20V max @ up to 5mA per output.

Typical output: 4-20mA (Source port, 1200 Ω load max)

Output signal level adjustment by fifteen-turn blindset Span potentiometer through unit front fascia as standard.
(Ten-turn Calibrated Dial option 'C' also available)

Isolation

1000V RMS* Output/Supply/Earth

*(500Vdc if RFI option 'K' is specified)

Performance

Accuracy/Linearity: $< \pm 0.1\%$

Response time: Typically $< 200\text{ms}$

Supply regulation: AC $\pm 20\%$, DC $\pm 10\%$

Supply consumption: $< 3\text{VA}$

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

Dimensions/Mounting

Enclosure: 50w x 75h x 110d mm

Mounting: Either Din Rail (TS35) **or** Surface by corner fixing holes as standard

WIRING

