

ADM240XK Process I/V DC Signal Generator

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- Non-Smart/Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010
- Continuous Display of output signal available ('DI' option)
- AMELEC Standard 10 year warranty

Technical Specifications

Output

Any DC current or voltage range may be specified in the range:

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

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

Voltage up to 20V max @ up to 5mA

Typical ranges: 0-1V, 2V, 5V, 10Vdc, 0-1mA, 5mA, 10mA, 20mA

Signal level adjustment by fifteen-turn blindset potentiometer through unit front fascia.

Display option (suffix 'DI')

Continuous indication of the output signal being generated, Either a 3.5 digit LCD or 4 digit LED display may be specified. Display scale can be specified as either 0-100.0 (%) or in the generated output signal range, E.g: 0.00-10.00 or 0.0-20.0

Protection

RF Immunity: 20MHz-3GHz/5.25GHz $\leq 10\text{V/m}$,
(80MHz-1GHz/5.6GHz $\leq 30\text{V/m}$, 889MHz/1.75GHz $\leq 40\text{V/m}$)

Isolation: 500Vdc.Output/Supply/Earth

Internal Fuse

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH (Non-condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Generic Industrial levels)

Enclosure Dimensions/ Mounting

50w x 75h x 182d mm

Either Din Rail (TS35) **or** Surface by seismic Keyhole plate may be specified.

(optional rear Surface mounting plate Dims=50w x 130h mm)

WIRING

