

ADM230HSX Process Signal Transmitter/Isolator

- Suitable for SIL 1, 2 & 3 applications
- Suitable for combinations of process inputs and outputs
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
110Vdc $\pm 20\%$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

High current up to 5Adc. High voltage up to 300Vdc

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
Voltage source up to 10V. Max current 20mA

Isolation

1000V RMS Input/Output/Supply. Linearity $\leq \pm 0.1\%$

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Response Time

Output settling time to 0.1% of span: 100uS
Bandwidth: 1 KHz
Output Ripple: $\leq \pm 0.1\%$ of span @500khz

Options

J = An input jack for injecting an external signal into the input without disturbing the loop.

DI = A 3½ digit display of the input or output in units to suit

K = RFI Protection to IEC61000-4-3

Typical Input

Current 4-20mA 20Ω
Voltage 0-10Vdc 1MΩ

Typical Output

Current 4-20mA max load 1200Ω
Voltage 0-10Vdc min load 500Ω

Dimensions

50w x 75h x 110d (mm)

WIRING

