

ADC311X(T) Process Signal Transmitter

- 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 $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Output

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

Response Time

Response time can be adjusted by 15 turn blindset potentiometer in the range of typically 1-10sec. (Other time ranges available on request).

Isolation

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

Environmental Conditions

Storage Temperature: -40°C to $+70^{\circ}\text{C}$
Operating Ambient: -15°C to $+55^{\circ}\text{C}$
Relative Humidity: 5% to 95% RH

Options

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

DI = A 3 ½ digit display of the input or output in units to suit.

K = RFI Protection to IEC61000-4-3

Dimensions

50w x 75h x 110d (mm)

Typical Input

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

Typical Output

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

WIRING

