

ADM220X RTD Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS1904 2, 3 or 4 Wire RTD
- 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

From 2, 3 or 4 Wire RTD with a span greater than 50°C

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
(Sink port optional, 30Vdc Max external)
Voltage source up to 10V. Max current 20mA
Output 2 developed across 50 ohms.
Therefore Non-Isolated

Isolation

1000V RMS*. Input/(Outputs 1+2)/Supply/Earth
*(500Vdc if RFI option (K) is specified)
Linearity $< \pm 0.1\%$

Environmental Conditions

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

Input Load / Output Drive

Typical Input

0-100°C / -10 to +50°C / -100 to +500°C 3 Wire RTD

Typical Output

Current 4-20mA max load 1200Ω
Voltage 1-5Vdc min load 250Ω

Dimensions

50w x 75h x 110d (mm)

