

ADM220-4 RTD Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS1904 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

PT100, 4 Wire RTD connection with a span greater than 50°C
(PT1000 option available on request)

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/Earth
*(500Vdc if RFI option (K) is specified)
Linearity $< \pm 0.1\%$
Accuracy $< \pm 0.1\%$

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 4 Wire RTD

Typical Output

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

Dimensions

50w x 75h x 110d (mm)

