

ADM210G(K) Thermocouple Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS4937 Thermocouple
- 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 signal developed from a thermocouple greater than 4mV. Automatic cold junction compensation fitted as standard.

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 $< \pm 0.1\%$ The linearity is achieved by 4 break points in the customer specified temperature range. In most cases better than 0.1% is achievable. To find out worst possible error for your application please contact our technical sales team.

Environmental Conditions

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

Input Load / Output Drive

Typical Inputs

0-1000°C Type 'K'

Typical output

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

Dimensions

50w x 75h x 110d (mm)

