

ASM240 Slidewire / Resistance / Potentiometer Transmitter

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) Safety Instrumented System (SIS) Loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply Voltage options: 24Vdc $\pm 10\%$ or 48Vdc $\pm 10\%$
- Amelec standard 10 year warranty

TECHNICAL SPECIFICATION

Input

Resistance/ Slidewire/ Thermistor/ Potentiometer

Input ranges up to 60K Ω .

Any wire wound Potentiometer can be specified in the range of 100 Ω up to 20K Ω .

(2 or 3 wire input connections)

Input Open Circuit response: Upscale drive as std.

Output

The current source can be up to 20mA with a drive voltage of 20V.

The voltage source can be up to 10V's, maximum drive 20mA.

The current output is an active/source port as std, passive/sinking port configuration is available on request.

(Sink port: max 30Vdc external loop supply)

Typical Output

Current 4-20mA (max load 1200 Ω)

Voltage 1-5Vdc (min load 250 Ω)

Voltage 0-10Vdc (min load 500 Ω)

Isolation

1000V RMS Input/Output/Supply.

Accuracy/Linearity

Linearity: $< \pm 0.1\%$ resistance Span

Accuracy: $< \pm 0.1\%$ Span

Environmental Conditions

Storage Temperature: -40 to +70°C

Operating Ambient: -15 to +55°C

Relative Humidity: 5 – 95% RH (Non-Condensing)

EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)

Dimensions

22.5w x 75h x 110d mm

