

## ASM213 mV Signal Transmitter / Isolator

- Suitable for use as element in SIL 1, SIL 2 & SIL 3 rated (IEC61508) Safety System Loop applications
- Suitable for combinations of Process mV Inputs & I/V Outputs
- Supply Voltage options **24Vdc**  $\pm 10\%$  or **48Vdc**  $\pm 10\%$
- Amelec standard 10 year warranty



### TECHNICAL SPECIFICATION

#### Input

Any mV signal range, up to 400mV.  
(Minimum 4mV calibrated Span)

#### Typical Input ranges:

0-4mV, 0-6mV, 0-10mV, 0-20mV, 0-25mV, 0-40mV, 0-50mV, 0-60mV,  
0-100mV, 0-150mV, 40-200mV, 0-200mV, 80-400mV, 0-400mV

#### Output

The current source can be up to 20mA with a drive voltage of 20V.  
The voltage source can be up to 10V, maximum drive 20mA.

The current output can be configured as a sink or source port by way of connection to the output terminals.  
(Sink port: max 30Vdc external loop supply)

#### Typical Output ranges:

0-1mA, 0-10mA, 0-20mA, 4-20mA, 0-1V, 0-2V, 1-5V, 2-10V, 0-10V dc

#### Performance

Isolation: 1000V RMS Input/Output/Supply  
Accuracy:  $< \pm 0.1\%$  Span  
Linearity:  $< \pm 0.1\%$  Span  
Response time:  $< 100\text{ms}$   
Input Over range:  $< 300\%$   
Input O/C response: Upscale or Downscale drive option (TBA)  
Controls: Zero/Span potentiometers ( $\leq 20\%$  span adjustment)  
Indicator: Power ON (Amber LED)  
DC Supply variation:  $\pm 10\%$

#### Environmental Conditions

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

#### Dimensions

22.5w x 75h x 110d mm

