

# SEM1200 Loop Splitter

Two 4 to 20mA Outputs



The SEM1200 isolator is a dual output isolator, providing two separate isolated 4 to 20mA current signals from a primary loop. The output loops must be powered externally. Minor adjustments can be made to the calibration of the device via the two frontpanel accessible calibration potentiometers.

## Specification

**Input Type** Current input 2 wire Loop powered  
**Range** 4 to 20 mA (30 mA MAX)  
**Protection** Reverse connection  
**Voltage Drop** 5.0 V Maximum

**Output 1 & Output 2 @ 15 V dc**  
**Type** 2 Wire current sink 4 to 20 mA  
**Loop Voltage** 5 to 32 V d.c. (reverse protected)  
**Loop Volt Drop = 5 V** Load = 900 ohm @ Vs = 24 V Load = 1200 ohm @ Vs 30 V Loop must be > 250Ω for ambients > 50 °C

**Connection** Captive clamp screws  
**Cable Size** Maximum 4 mm sq solid / 2.5 mm sq stranded  
**Case Material** Grey Polyamide  
**Flammability** To UL94-VO VDE 0304 Part 3, Level IIIA  
**Dimensions** 60 x 75 x 12.5mm (67.5 above rail)  
**Mounting** Snap on "top hat" rail (DIN EN 50022-35)

**Isolation** 500 V DC (flash tested @ 1 kV) between each port (Isolation method, opto coupler / transformer)

**Electrical Safety** BS EN61010-1 POLLUTION DEGREE 2; INSTALLATION CAT II; CLASS I

**Ambient** 0 to 70°C ; 10 to 95 % RH non condensing

**Accuracy** ±0.05 % (±0.008 mA ) of full range output

**Stability** 0.01 % / °C

**Response Time** Less than 100 mS to reach 70 % of final value.

**EMC** Tested to BS EN 61326

**Adjustments** Zero and Span Adjustment for each channel

