PROCESS SIGNAL ISOLATORS

SEM1200 LOOP SPLITTER

>	Two (4 to 20) mA Outputs			
>	Galvanic Isolation 500 V DC Flash Tested 1 KV			
>	High Accuracy 0.05%			
>	12.5 mm Wide			
>	10 YEAR WARRANTY			



INTRODUCTION

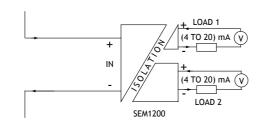
The SEM 1200 isolator is a dual output isolator, providing two separate isolated (4 to 20) mA current signals from a primary loop. The output loops must be powered externally. This isolator requires no user adjustment during commissioning, apart from an initial test, to ensure it operates correctly over its full working range. Minor adjustments can be made to the calibration of the device by means of the two front panel accessible calibration potentiometers. Incorrect connection in the loop will not damage the device as long as the specified maximum currents/voltages are not exceeded.

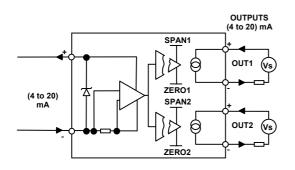
SPECIFICATIONS @ 20 °C			MECHANICAL DETAILS	
INPUT OUTPUT	TYPE RANGE PROTECTION VOLTAGE DROP 1 & OUTPUT 2 TYPE LOOP VOLTAGE	Current input 2 wire Loop powered (4 to 20) mA (30 mA MAX) Reverse connection 5.0 V Maximum 2 Wire current sink (4 to 20) mA (5 to 32) V d.c. (reverse protected) *	CONNECTIONCaptive clamp screwsCABLE SIZEMaximum 4 mm sq solid / 2.5 mm sq strandedCASE MATERIALGrey PolyamideFLAMMABILITYTo UL94-VO VDE 0304 Part 3, Level IIIADIMENSIONSCase C:MOUNTINGSnap on "top hat" rail (DIN EN 50022-35)	.)
Loop mus	Loop volt drop = 5 V t be > 250 R for ambier	Load = 900 ohm @ Vs = 24 V Load = 1200 ohm @ Vs 30 V its > 50 °C	(All dimensions in mm)	
Quoted sp	pecification at 15 Volt			
GENERAL V OUT <1 ISOLATIO ENVIRON/ AMBIENT LINEARIT' STABILITY RESPONSE EMC Test	MENT Y E TIME	500 V DC (flash tested @ 1 kV) between each port (Isolation method, opto coupler / transformer) BS EN61010-1 POLLUTION DEGREE 2; INSTALLATION CAT II; CLASS I (0 to 70) °C ; (10-95) % RH non condensing 0.05 % 0.01 % / °C Less than 100 mS to reach 70 % of final value. BS EN 61326	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	
ADJUSTM	ENT	Front Entry Fine Zero and Span Adjustment for each channel		



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SCHEMATIC







ORDER CODE: SEM1200

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