



# Solutions Per Applications

## Signal Isolator SI-300

SI-300

SERIES



SPA offers SI-300 series of Signal isolator with single, dual & multiple channel output with Galvanic & optical Isolation. This Series of Signal isolator/Converter accepts all types of electrical inputs and transducer inputs RTD, Thermocouples (J,K,R,S). With output of class 0.25% accuracy. In special cases we can also offer better than 100 ppm accuracy. The instrument is compact & small in size in DIN RAIL mounting enclosure. For multiple outputs we have Rack type system. In case of Rack type requirements please contact our sales office.

### Input Specifications:

Input : 4-20 mA. Or 0-5 VDC or 0-10 VDC or 0-1 Amp, 0-5 Amp AC through C.T, Thc (J,K,R,S etc.), RTD (factory set)

### Output Specifications:

Current : 4-20 mA or 1-5 VDC or 0-10 VDC.  
 Loop Load : 600 Ohms for current output  
 Accuracy for electrical input :  $\pm 0.25\%$  of full Scale.  
 Accuracy For Thermocouple input :  $\pm 0.25\%$  of full scale with respect to MV input  
 Accuracy For RTD Input :  $\pm 0.25\%$  with respect to FS Temperature range.  
 Number of Outputs: 1 no. Or 2 nos. (Optional)  
 Isolation : 3-port upto 1.5 KVAC/DC for 1 minute  
 Transmitter Supply: 24 VDC/ 30mA (Optional)

**Note:** Specified Accuracy, Includes Hysterisis, Non Lenearity & Repeatability

### Main Supply Specifications:

Main Supply : 230 VAC or 110 VAC/50 Hz. or 24 V DC- Optional (factory set)  
 Allowable Variation :  $\pm 10\%$  for Ac supplies

### Size And Mounting Specifications

Size : 45(W) X 70(H) X 110(D) mm.  
 Enclosure : ABS Plastic.  
 Mounting : DIN Rail.

### Environmental Specifications

Temperature : 5 to 55 °C  
 Humidity : 90% Rh non condensing



AN ISO 9001: 2008 company

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