

SIGNAL ISOLATOR

'Vedika Instruments' Range of SI series of signal conditioners are designed to accept a broad range of input signals, such as AC & DC Voltage and Current, Frequency, Temperature (RTD & Thermocouple), Process Transducers and provide standard process outputs of either 0/4 to 20mA, or 0 to 10 VDC. It features a modern housing design that is easily mounted on standard Din rails. Connections are safely and securely made with Input and output connections on the opposite side of the module compatible with standard 35mm. Din rail. It comes minimum one & maximum four output signals.

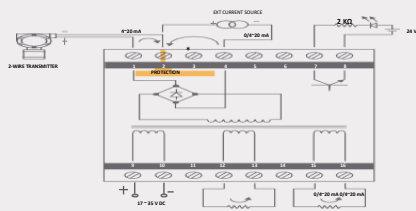
Vedika Instruments design competency in signal isolation is one of the finest to be found. Radix signal isolators are an outstanding combination of accuracy, frequency response and signal handling. Choose from loop-powered isolators which require no external power supply and have very low loop drops, 3-port signal isolators which not only isolate input signals, but also act as signal multipliers and multiply signals to send to multiple field instruments. Some of our signal isolators are HART compatible for effortless two-way field communication that is achieved through superimposition of digital communication on top of the 4-20 mA signals.



Signal Isolator

Model	SI
Features	
Inputs:	AC Volts, AC Amps, DC Volts, DC Amps
Outputs:	2 x 0/4~20 mA, 0~1/5/10 V DC Input/supply/outputs mutually isolated
Accuracy:	Class 0.5, Class 0.2
Supply:	85~265 V AC or 18~36 V DC
Communication:	RS485, MODBUS RTU option
Response:	Fast response output option
Available Inputs	
AC Voltage:	0~50 V AC, 0~500 V AC
AC Current:	0~1 A AC, 0~10 A AC
DC Voltage:	0~50 V DC, 0~1000 V DC
DC Current:	0~1 A DC, 0~10 A DC
Analog Output	
Option 1:	0~20mA, 4~20mA,
Option 2:	0~2VDC, 0~5VDC, 0~10VDC.
Load on Output:	0-750Ω (For mA output)
Isolation:	Optical and Galvanic isolation of 2 KV is provided. (3 Port, 2 Port)
Linearity:	within $\pm 0.25\%$ of Span
Accuracy:	Better Than $\pm 0.25\%$ of F. S
Power Fuse	0.25 Amp.
Adjustment:	Zero & Span are adjustable by two individual trim pots
Burn out Protection:	Upscale (TC, RTD & Resistance), Downscale (Others)
LVVE:	0.1% (within $\pm 10\%$ Change)
Response:	Less than one Second
Op. Ambient Temp.:	0 to 55°C.
Humidity:	5 to 95% Rh Non-Condensing
Mounting:	Din Rail
Dimensions (H x W x D):	75 x 55 x 110 mm.

* Use terminal 3 (input protection absent)
Instead of terminal 2 for lower input voltage drop



* Use terminal 3 (input protection absent)
Instead of terminal 2 for lower input voltage drop

