

# PRODUCT DATA SHEET

## SIGNAL ISOLATOR MODULE

### DESCRIPTION

The signal isolator modules offered by Corrosion Electronics are designed to convert an input signal into a corresponding 4-20mA current output whilst providing 3 way (Power/In/Out) galvanic isolation greater than 2000 Volts rms. Each module is factory configured for measuring either the TR output voltage, TR output current or reference potentials.

The casing of the isolator module is made of ABS plastic featuring a slim DIN rail mountable design together with plug and socket terminations for easy installation and removal.

The signal isolator modules are typically powered from a 24VDC source situated within the TR. External current loop power is required. (The output from the modules is a passive 4-20mA current sink)

For connection details please refer to the following information.



### GENERAL SPECIFICATIONS

<b>Size:</b>	22 W x 75 H x 105 D
<b>Housing Material:</b>	ABS thermoplastic
<b>Mounting:</b>	DIN rail mounted
<b>Termination:</b>	2 x 4 way plug and sockets with screw terminations on plugs.
<b>Supply Voltage:</b>	12 VDC or 24VDC (To be specified)
<b>Loop power:</b>	Typically 12-24VDC, 30VDC absolute maximum
<b>Accuracy:</b>	0.2% of span or better
<b>Linearity:</b>	0.2% of span or better
<b>Operating Temp. Range:</b>	0 to +70 degrees Celsius
<b>Input/Output Isolation:</b>	2kV rms or greater
<b>Input Impedance:</b>	DC Volts type - 100 k $\Omega$ (Specify volts range) DC Current mV - 5 k $\Omega$ (Specify mV / amps range) Reference HiZ - greater than 1 G $\Omega$ (Range +1 / -4V S/R)

### CONNECTION DIAGRAM

