

XID 4~20mA Isolator Series



XID-L1
Single Loop Powered Isolator



XID-L2
Dual Loop Powered Isolators



XID-L4
Quad Loop Powered Isolators



XID-P1
Single Output Powered Isolator

www.intech.co.nz/xid-l

www.intech.co.nz/xid-p

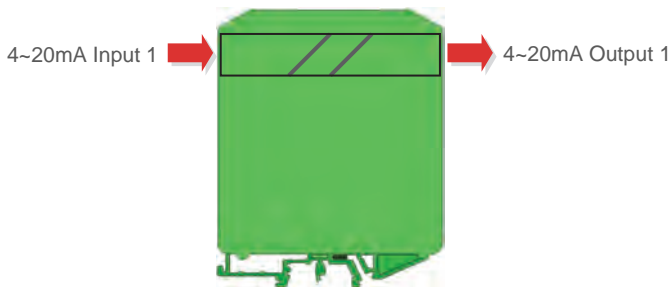
Features.

- Input to Output Isolation 2.5KV.
- High Accuracy 0.03%.
- Reverse Polarity Protected.
- Compact DIN Rail Mount Enclosure.
- Available With 1, 2 or 4 Transmitters per Enclosure.
- Easy to Install.
- Low Cost.

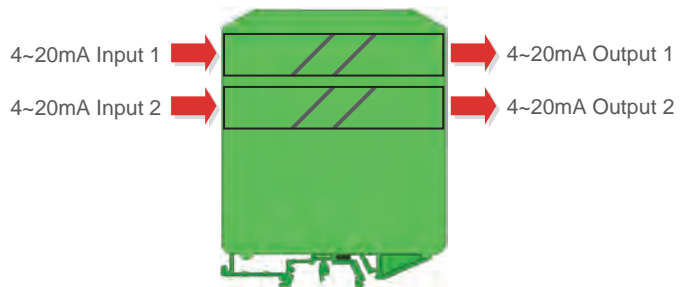
Ordering Information.

- XID-L1** One Isolated 4~20mA Loop Powered Input/Output.
XID-L2 Two Isolated 4~20mA Loop Powered Input/Outputs.
XID-L4 Four Isolated 4~20mA Loop Powered Input/Outputs.
XID-P1 One Isolated 4~20mA Loop Powered Input with an Isolated Powered Output.

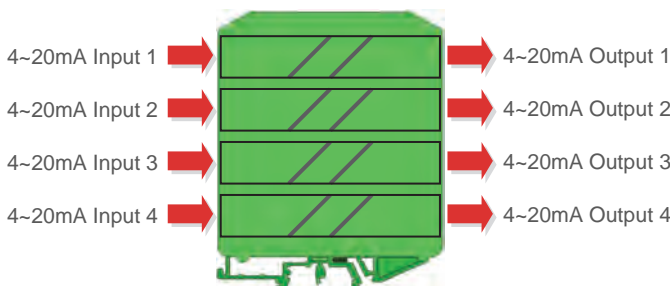
XID-L1
Single Loop Powered Isolator



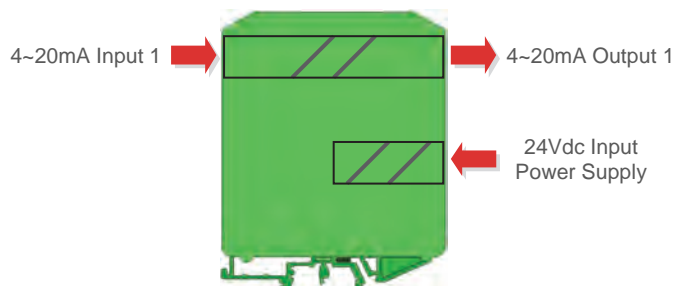
XID-L2
Dual Loop Powered Isolators



XID-L4
Quad Loop Powered Isolators

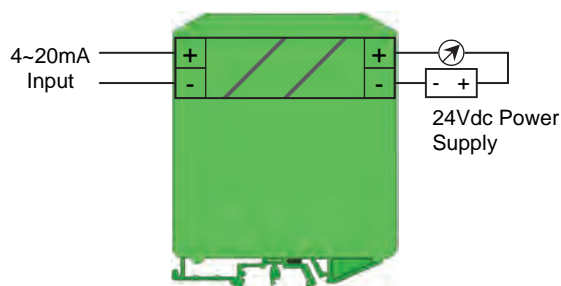


XID-P1
Single Output Powered Isolator

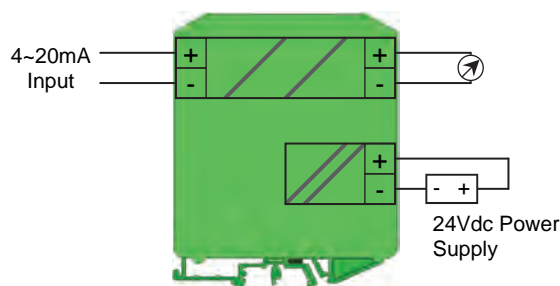


XID Isolator Specifications

Typical 4~20mA Connection XID-L



Typical 4~20mA Connection XID-P1



XID-L Specifications.

Input	4~20mA (up to 4 channels).
Input Resistance	250Ω.
Output	2 wire 4~20mA (Loop Powered).
Output Load Resistance	875Ω @ 24Vdc. (50Ω/V above 6.5Vdc.)
Loop Power Supply	24Vdc Nominal (28Vdc Max).
Input Voltage Protection	30Vdc.
EMC Emissions Compliance	EN 61326-1.
EMC Immunity Compliance	EN 61326-1.
Safety Compliance	EN 61010-1.
Accurate to	<±0.03% of span typical.
Linearity & Repeatability	<±0.03% of span typical.
Ambient Drift	<±0.01%/°C of span typical.
R.F. Immunity	<0.5% Effect of span typical.
Isolation Test Voltages	Between Input and Output: 2.5KV.
	Between XID-L transmitters: 2.5KV.
Response Time	<2msec (From 0~90%, 100~10%).
Operating Temperature	-20~70°C.
Storage Temperature	-20~85°C.
Operating Humidity	5~85%RH Max. Non-Condensing.
Mounting	35mm Symmetrical Mounting Rail.
Dimensions	H=90, W=12.5, D=112mm.

XID-P1 Specifications.

Input	4~20mA.
	Must be inserted into a current loop.
Input Voltage Protection	30Vdc.
Current Protection	PTC.
Output	2 wire 4~20mA.
Output Load Resistance	500Ω Max.
Power Supply	10~30Vdc, 0.8W max
	(Isolated from Input & Output).
EMC Emissions Compliance	EN 61326-1.
EMC Immunity Compliance	EN 61326-1.
Safety Compliance	EN 61010-1.
Accurate to	<±0.03% of span typical.
Linearity & Repeatability	<±0.03% of span typical.
Ambient Drift	<±0.01%/°C of span typical.
R.F. Immunity	<0.5% Effect of span typical.
Isolation Test Voltages	Between Input and Output: 2.5KV.
	Between Power and Input/Output 2.5KV.
	Between XID-P transmitters: 2.5KV.
Response Time	<50msec (From 0~90%, 100~10%).
Operating Temperature	-20~70°C.
Storage Temperature	-20~85°C.
Calibration Temperature	20~28°C.
Operating Humidity	5~85%RH Max. Non-Condensing.
Mounting	35mm Symmetrical Mounting Rail.
Dimensions	H=90, W=12.5, D=112mm.

Dual Output Signal Isolators.

Use the **XID-L2** dual channel model. Wire the 4~20mA input in series through both inputs on the transmitter, and the 2 outputs are totally isolated. The outputs are loop powered so you need a separate 24Vdc power supply for each channel.

Product Liability. This information describes our products. It does not constitute guaranteed properties and is not intended to affirm the suitability of a product for a particular application. Due to on-going research and development, designs, specifications, and documentation are subject to change without notification. Regrettably, omissions and exceptions cannot be completely ruled out. No liability will be accepted for errors, omissions or amendments to this specification. Technical data are always specified by their average values and are based on Standard Calibration Units at 25C, unless otherwise specified. Each product is subject to the 'Conditions of Sale'.

Warning: These products are not designed for use in, and should not be used for patient connected applications. In any critical installation an independent fail-safe back-up system must always be implemented.