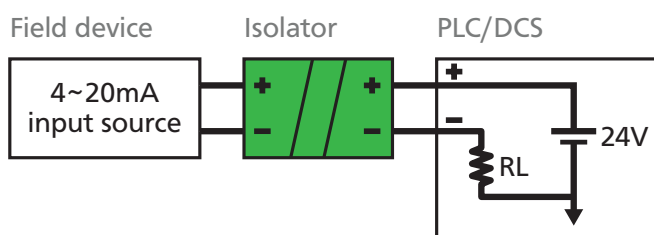


Low cost signal isolators with top-of-the-line specs!



- › 4–20mA DC input
- › 4–20mA DC output (**Loop powered OR active output - see model selection**)
- › Up to 5 isolated channels in a compact 12.5mm (0.5") case
- › Loop powered isolators have a lightning fast 2msec response time
- › Excellent resistance to electromagnetic interference
- › Isolated up to 2.5kV, to protect your system from transients and noise
- › High accuracy (better than 0.05%)
- › Protected against polarity inversion and inadvertent connection to up to 30V DC

### Loop powered output



<b>SLIM-1I</b>	4–20mA isolator, 1 channel
<b>SLIM-3I</b>	4–20mA isolator, 3 channels
<b>SLIM-5I</b>	4–20mA isolator, 5 channels

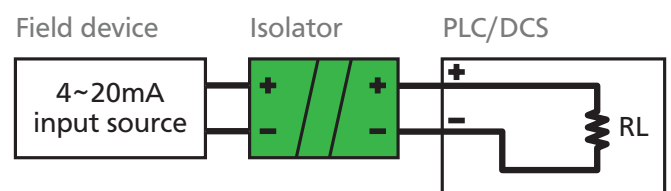
**Input** 4–20mA DC

**Loop powered output** 4–20mA DC loop powered output (load resistance 875Ω at 24V DC)

**External power supply** 6.5–28V DC

**Response time** <2msec (0-90%, 100-10%)

### Active output (24V DC powered)



<b>SLIM-1I-P</b>	4–20mA isolator, 1 channel
<b>SLIM-2I-P</b>	4–20mA isolator, 2 channels
<b>SLIM-IS</b>	4–20mA signal splitter

**Input** 4–20mA DC

**Active output** 4–20mA DC active output (500Ω max load)

**Power supply** 10–30V DC (0.8W max per output channel)

**Response time** <50msec (0-90%, 100-10%)

## General specifications (all models)

**Input compliance voltage** 5V max

**Accuracy** <0.05% of span (typical)

**Isolation voltage test** 2500V RMS

**Working isolation voltage** 300V AC

**Specification range** -20 to 70°C (-4 to 158°F)

**Storage temp** -20 to 85°C (-4 to 185°F)

**Calibration temp** 20 to 28°C (68 to 82.4°F)

**Ambient drift** < 0.01% of span/°C

**Input voltage protection** for up to 30V inadvertently supplied

**Current protection** by PTC

**Linearity and repeatability**

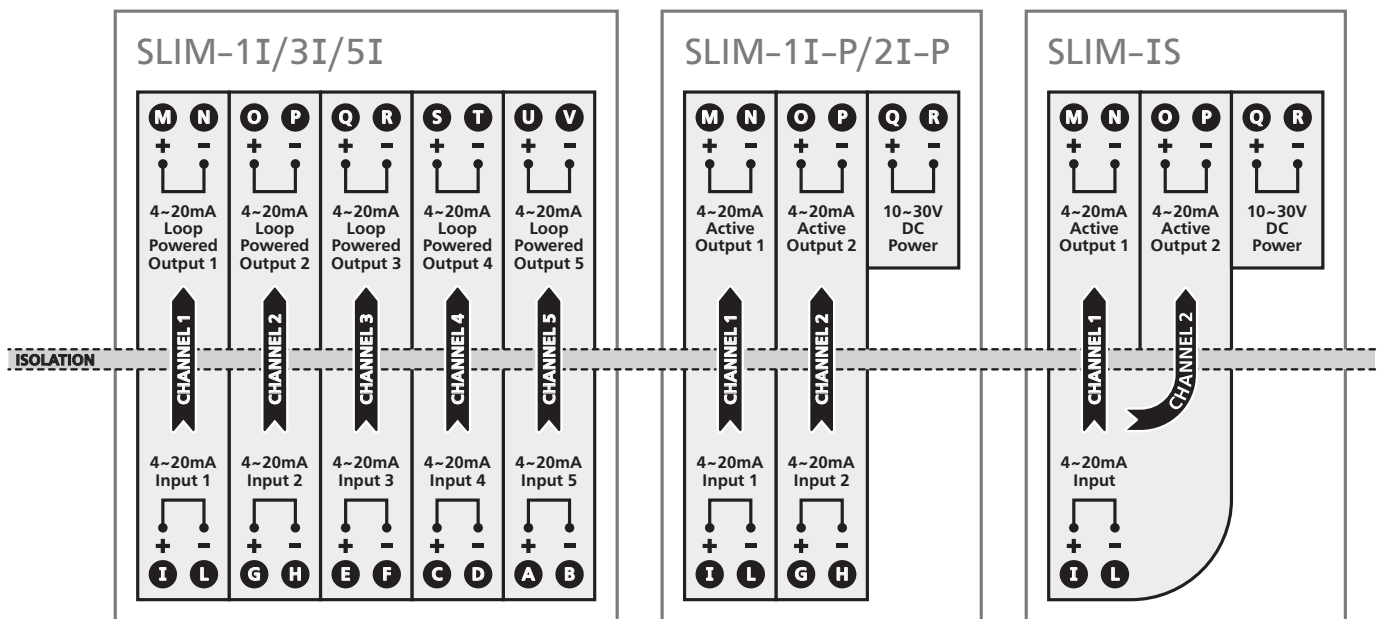
<0.03% of span (typical)

**RF immunity** <0.5% of span

**EMC compliance** Emissions (EN 61326-1). Immunity (EN 61326-1). Safety (EN 61010-1).

**DIN rail case (H x W x D)** 90 x 12.5 x 112mm (3.54 x 0.49 x 4.41")

## Wiring



## Define Instruments

**FLUIDPRO**

Dosing Systems

[www.fluidprodosingsystems.com.au](http://www.fluidprodosingsystems.com.au)

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