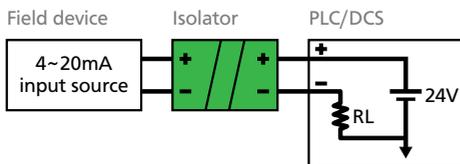


Low cost signal isolators with top-of-the-line specs!



- › 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



SLIM-1I	4–20mA isolator, 1 channel
SLIM-3I	4–20mA isolator, 3 channels
SLIM-5I	4–20mA isolator, 5 channels

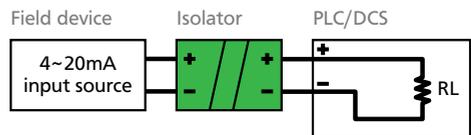
Input 4–20mA DC

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)



SLIM-1I-P	4–20mA isolator, 1 channel
SLIM-2I-P	4–20mA isolator, 2 channels
SLIM-IS	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)

Operating humidity 5–85%RH max (non-condensing)

Ambient drift < 0.01% of span/°C

Input voltage protection for up to 30V inadvertently supplied

Current protection by PTC

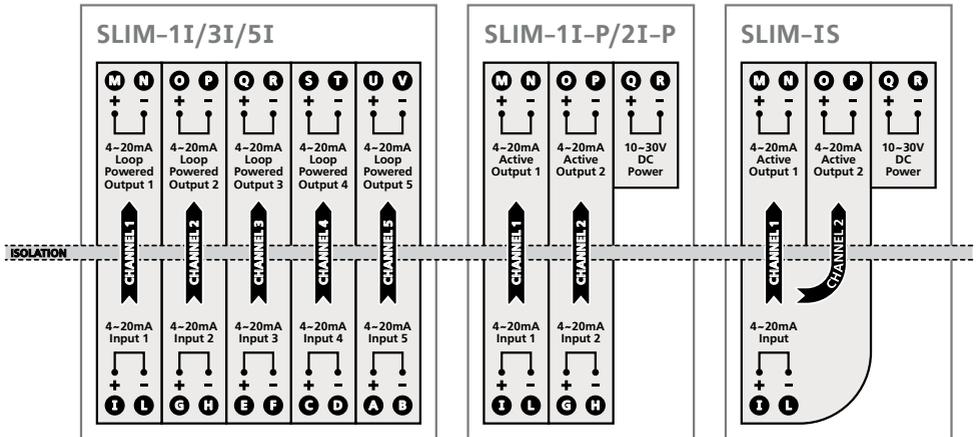
Linearity and repeatability
<0.03% of span (typical)

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

New Zealand (Head Office)

+64 (9) 835 1550

sales@defineinstruments.com

www.defineinstruments.com