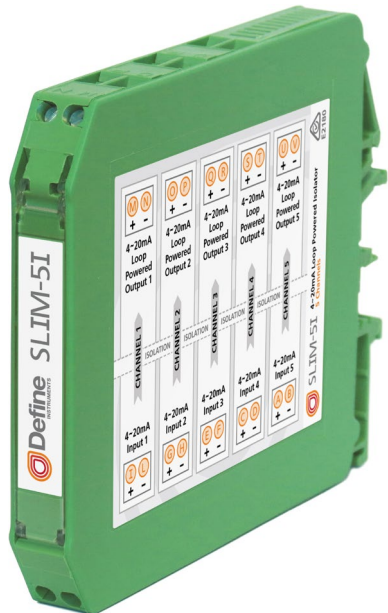


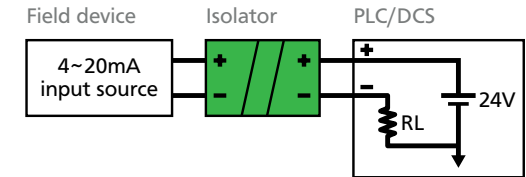
SLIM-XI

4–20mA Isolator Series
1, 2, 3, 4 or 5 Channels



A low cost isolation solution with top-of-the-line specs: fast response rate, high accuracy, noise resistance, and a super compact design.

- ✓ 4–20mA DC input
- ✓ 4–20mA DC output, loop powered
- ✓ 1, 2, 3, 4 or 5 isolated channels



Featuring

- › **Only 2.5mm DIN space per channel!**
With up to 5 isolated channels in a compact 12.5mm case, this isolator is one of the slimmest of its kind
- › **Lightning fast 2msec response time**
For accurate measurement of rapidly changing signals
- › **Performs reliably in noisy environments**
Excellent resistance to electromagnetic interference
- › **High accuracy (better than 0.05%)**
- › **No DIP switches, no calibration, simple wiring**
- › **Isolated up to 2.5kV, to protect your control system from transients and noise**
Eliminates signal cross talk and ground loops. Includes DC/AC common mode voltage rejection and over range protection.
- › **Input and output protection for polarity and inadvertent connection to 30V DC**

Specifications

SLIM 4–20mA loop powered isolator

- SLIM–1I 1 channel
- SLIM–2I 2 channels
- SLIM–3I 3 channels
- SLIM–4I 4 channels
- SLIM–5I 5 channels

Input 4–20mA DC

Output 4–20mA DC, loop powered (load resistance 875Ω at 24V DC)

Power supply 6.5–28V

Spec range –4 to 158°F (–20 to 70°C)

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

Calibration temp 68–82°F (20–28°C)

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

Input compliance voltage 5V max

Input voltage protection to 30V inadvertently supplied

Current protection by PTC

Accuracy <0.05% of span (typical)

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

Linearity and repeatability <0.03% of span (typical)

Ambient drift < 0.01% of span/°C

RF immunity <0.5% of span

EMC compliance

Emissions (EN 61326-1)
Immunity (EN 61326-1)
Safety (EN 61010-1)

Isolation voltage test 2500V RMS

Working isolation voltage 300V AC

Case (H x W x D) 3.54 x 0.49 x 4.41" (90 x 12.5 x 112mm), DIN rail mount