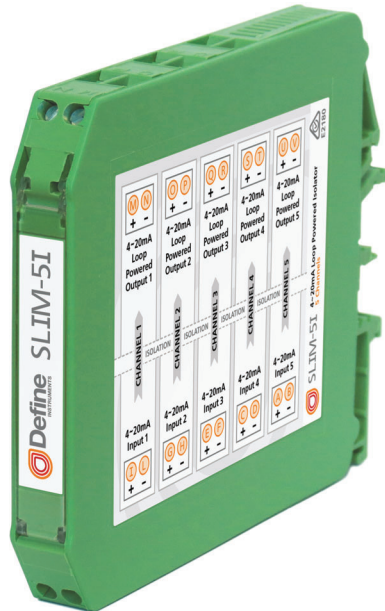




SLIM-1I/3I/5I

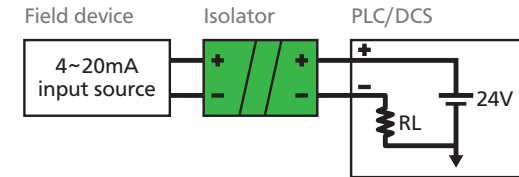
4–20mA Isolator Series

1, 3, 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, 3 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-3I= 3 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)

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

Define Instruments
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SLIM-135I-DS-16V02 (0310)

New Zealand (Head Office)
Ph: +64 (9) 835-1550
Aus: 1800 810-820
✉ sales@defineinstruments.co.nz
www.defineinstruments.co.nz

United States (Dallas, TX)
Ph: (214) 926 4950
✉ sales@defineinstruments.com
www.defineinstruments.com

South Africa (Johannesburg)
Ph: 087 945 2700
✉ sales@defineinstruments.co.za
www.defineinstruments.co.za