

# SINEAX TI801 / TI802

## Passive Converters

### Loop powered converters (2-wire) mA to mA



#### Features / Benefits

- Input: 1 or 2 channels, current 4 ... 20 mA
- Output: 1 or 2 channels, current 4 ... 20 mA
- Single (TI801) or double (TI802) channel version
- Channel to channel isolation of 1.5 kV
- Power supply: self powered from the input (primary) loop



#### General Data

Power supply	Self powered from the input (primary) loop
Channels	1 (TI801) or 2 (TI802)
Accuracy	0.1%
Response time	< 100 ms
Galvanic isolation	Input / output at 1500 V AC, digital
Voltage drop	Minimum volt drop at 20 mA: 7 V (all loads up to 160 Ω) Maximum volt drop at 20 mA: 3.8 V + (load resistance) x 0.02 V
Protections	Input / output up to 35 V DC
Humidity	Up to 90% at + 40 °C (not condensing)
Housing	Terminal housing for mounting on 35 mm DIN 46277. "V0" self-extinguishing glass filled nylon case
Dimensions	17.5 x 100 x 112 mm (w x h x d)
Weight	140 g
Operating temperature	20 ... 60 °C
Connections	Plug-in screw clamp terminal blocks, wires up to 2.5 mm <sup>2</sup>

IP protection	IP 20
Conformity	CE

#### Input Data

1, 2 Channels	Current: 4 ... 20 mA
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#### Output Data

1, 2 Channels	Current: 4 ... 20 mA
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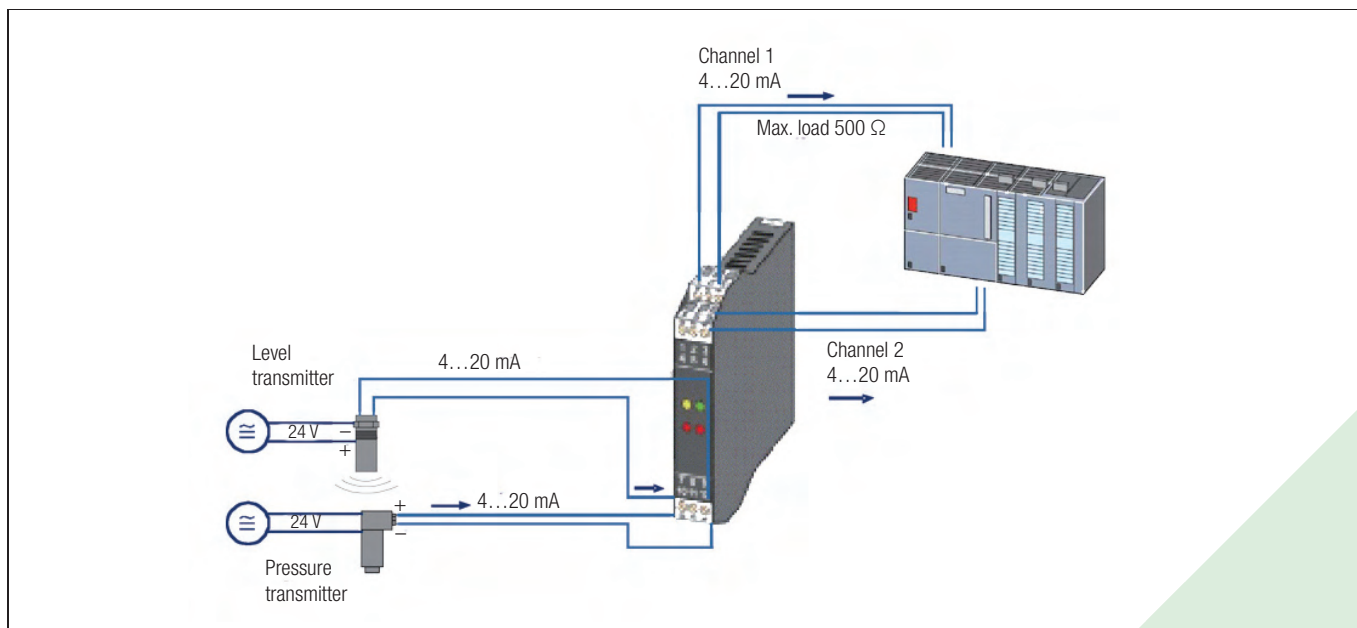
#### Order Code

Description	Code
SINEAX TI801 DC current isolator (single channel)	162 884
SINEAX TI802 DC current isolator (double channel)	162 892

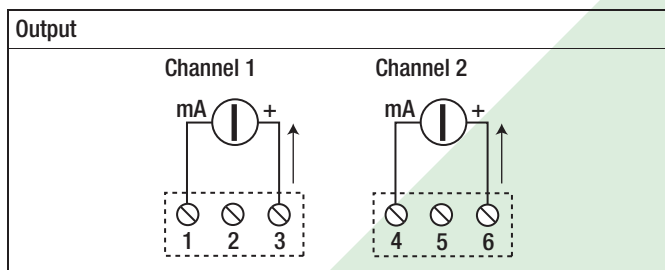
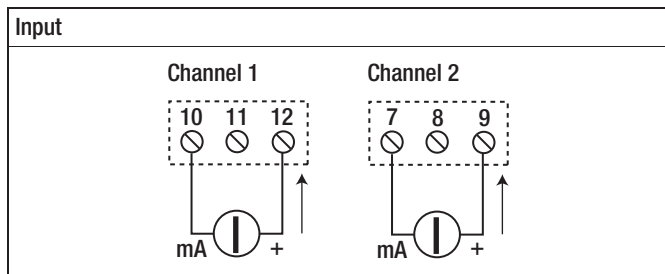
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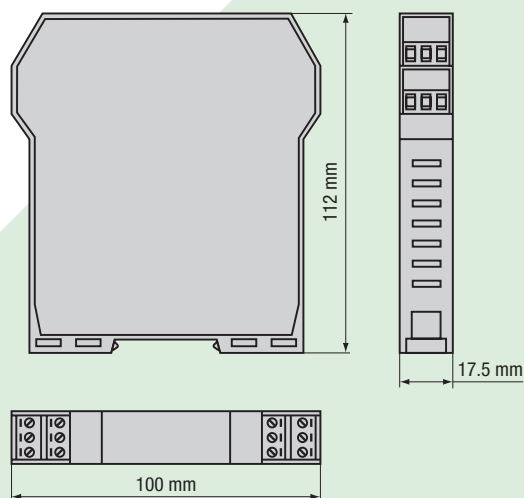
### Application



### Electrical connections



### Dimensional drawing



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