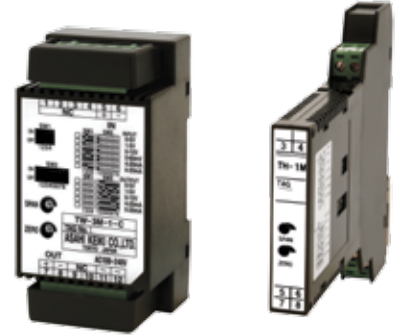
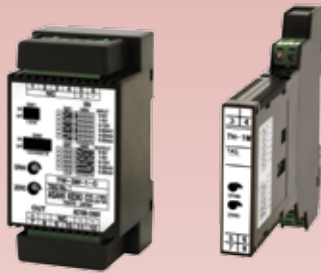


Analogue Signal Conditioners



Global Suppliers of Measurement and Protection Equipment for Industry





Analogue Signal Conditioners

Models Available

- TH-1M** Slim Analogue Signal Conditioner
24Vdc Auxiliary Powered
- TW-3M** Analogue Signal Conditioner
100-240Vac Powered

Product Features

- Convert and isolate process signals
- User selectable input and output
- TH-1M linearity 0.25% full scale
- TW-3M linearity 0.1% full scale
- Adjustable 'span' and 'zero'
- DIN rail mounting enclosure
- 1.5kV rms 50Hz 1 minute isolation between input / output / auxiliary
- Screw type terminals
- Fingerproof terminal cover included

Analogue signal conditioners isolate and convert DC voltage or current signals. The signal conditioner converts the DC voltage or DC mA signal to either a DC mA or DC voltage output which is directly proportional to the input signal value.

The user can select the input range and output range through the DIP switches on the front of the isolator. These signal conditioners offer isolation between the DC input signal and the DC output which can be used to prevent earth loops.

The 1.5kV isolated output signals can then be fed to analogue meters, digital meters or PLC's.

For converting and isolating DC process signals

Specification

Linearity:

- TH-1M < 0.25% full scale
- TW-3M < 0.1% full scale

Accuracy:

- < 1% full scale after switches adjusted

Temperature Variation:

- 0.02% full scale / °C

Response Time:

- < 50ms for 0-90% of input value

Insulation Resistance:

- > 100Mohm between input / output / auxiliary

Isolation:

- 1.5kV rms 50Hz for 1 minute between input / output / auxiliary

Power Supply:

- TH-1M 24Vdc $\pm 10\%$
- TW-3M 100-240Vac $\pm 10\%$

Power Consumption:

- < 80mA at 24Vdc
- < 50mA at 100-240Vac

Operating Temperature:

- -5°C to 50°C

Operating Humidity:

- < 90% non-condensing

Mounting:

- 35mm DIN rail (DIN-EN 50022)

Weight:

- TH-1M 80g, TW-3M 130g

Markings:

- CE marked

Connections

