TriLIN

Smart Flow Transmitter

The TriLIN Smart Flow Transmitter represents a new, sophisticated electronics platform for flow meter linearization and viscosity correction. It is available in several configurations, suitable for installation in the most demanding environments.

Programmable with PC Software. No password lock - the user has access to the scaling and programming of the device!

The TriLIN and TriLIN+T Flow Transmitters combine in a single instrument, Linearization, UVC temperature compensation, signal conditioning, user-selectable outputs and advanced communications options.

We offer 3 standard versions of the TriLIN hardware which can be customized for your individual needs.

Trigas DM

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Advantages

Independent:
- Programmable with PC Software. No password lock – the user has access to the scaling and programming of the device!

Compatible:
- TriLINs can be customized with a variety of different connectors!

Easy:
- Uncomplicated programming and conditionmonitoring by use of the RS232 connector!

Flexible:
- Useable for both gas and liquid applications!

Made in Germany

Specifications

Power Supply:
- 9-32 VDC

Inputs:
- Pulse, RF, Magnetic, pressure for gas applications

Linearization:
- Flowmeter K-factor – UVC correction
- Compensation of Temperature, Viscosity, Density and pressure

Performance:
- Linearized Frequency: 0.01% of reading
- Linearized Analog: 0.003% of reading
- Temperature Sensor: ±0.25° C
- Analog (Flow & Temperature): 16 Bit (0,15 mV)
- Response Time: 20 ms (period based)
- <2,5 mV zero offset

Outputs:
- Pulse: 0-4800 Hz
- Analog: 0–10 VDC or 4–20 mA (optional)
- Temperature: 0–10 VDC or 4–20 mA (optional)

Operating Temperature:
- -40° C to +85° C

Enclosure:
- IP 52

Wall mount available

Communication:
- RS232 to PC
- Programming interface

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Standard Versions

TriLIN

- Linearization without temperature compensation

TriLIN+T

- Linearization + temperature compensation
  The device compensates by use of an attached temperature sensor, measuring medium temperature and the resulting viscosity changes. Pre-programmed temperature and viscostiy data allows the TriLIN+T to calculate and output accurate values.

TriLIN+T Display

- Linearization + temperature compensation + 4 digit display

Detailed product descriptions for the individual versions can be found in their corresponding technical data sheets.

Detaillierte Produktbeschreibungen entnehmen Sie bitte unseren technischen Datenblättern zu den jeweiligen Geräteausführungen.

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About us

Production of Flowmeters

A Flow Specialist with 30 years experience, TrigasDM offers quality measuring instruments, flow meter electronics and flow calibrators for both liquids and gases.

Made in Germany

The development and manufacture of our products takes place exclusively in our facilities in Neufahrn, 20 km north of Munich.

Contact

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