

LYSIS

Smart Flow Transmitter

Lysis was designed to withstand the harshest environments and to fit in the smallest places. It combines in a single instrument UVC temperature compensation with linearization, signal conditioning, user-selectable outputs and advanced communications options. The Lysis Smart Flow Transmitter represents a new, sophisticated electronics platform for flow meter linearization, density and viscosity correction.

No programming charges, ever! Reprogramming included in the price of the flowmeter calibration for the life of the instrument.



- Operating Temperature -40°C to 125°C
- No additional cable for power supply necessary
- Case dimension: 96x27 mm
- Weight: approx. 90g
- Compatible with every flowmeter that is equipped with a Lysis SMART Pickoff (plug & measure)
- TEDS ability

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Advantages

- Open software architecture with user defined password protection. ALL scaling and programming options are accessible by the end user.
- When used with the new SMART Pickoffs, there will never be a charge for programming. Reprogramming is included in the price of the flowmeter calibration for the life of the instrument.
- Compatible with every flowmeter that is equipped with a Lysis SMART Pickoff (plug & measure)
- Both Frequency and Analog Outputs for Flow.
- Analog Output for Temperature
- Operating Temperature from - 40°C to +125°C
- Low installation costs

 Made in Germany

Specifications

Power Supply:

- 9–32 VDC

Inputs:

- Flow: Lysis SMART Pickoff, Modulated Carrier (RF)

Linearization:

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

Performance:

- Linearized Frequency: 0.01% of reading
- Linearized Analog: 0.003% of reading
- Temperature Sensor: $\pm 0.25^\circ\text{C}$
- Analog (Flow & Temperature): 16 Bit (0,15 mV)
- Response Time: 10 msec (period based)
- No zero offset

Outputs:

- Flowmeter Raw Frequency: 0–5 VDC pulse
- Flow Rate, linearized
TTL Frequency: 0–5 VDC pulse (1–5300 Hz)
Analog: 0–10 VDC or 4–20 mA (optional)
- Temperature: 0–10 VDC or 4–20 mA (optional)

Operating Temperature:

- -40° C to +125° C

Storage:

- -55° C to +150° C

Enclosure

- IP68

Communication:

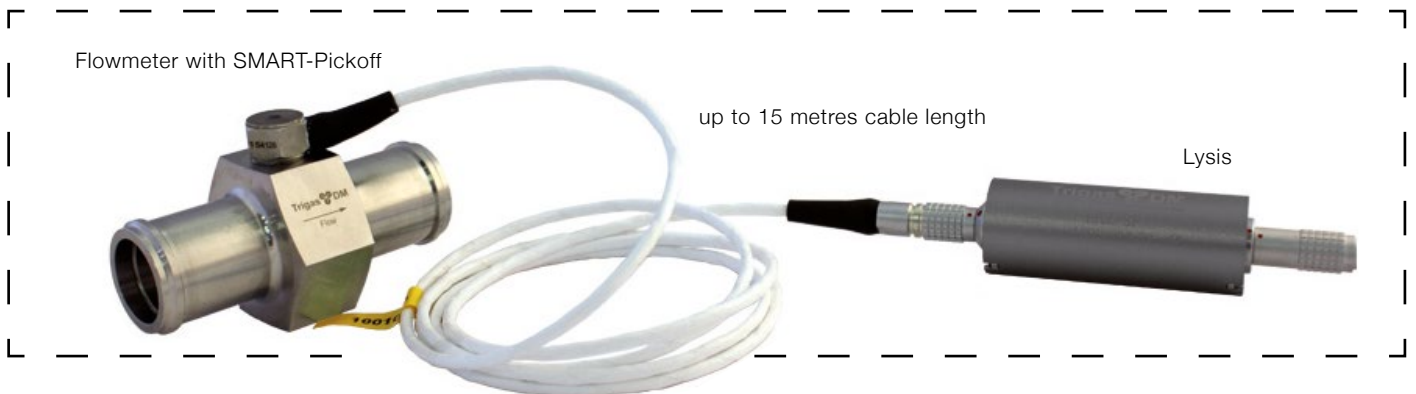
- RS232 to PC
TEDS to Data Acquisition Electronics
Programming interface

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SMART-Pickoff & Lysis

Novel smart Lysis Pickoff option which, when used with our newest Lysis Linearization electronic, offers the following advantages:

- The Lysis SMART Pickoff contains all Turbine flowmeter calibration and fluid properties data
- Automatic sensor recognition (plug & measure)
- So Smart that it can be connected with any Lysis smart flow transmitter (mix & match)
- TEDS capable
- Developed especially for installation in tight spaces



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.

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