

COM4.FLOW-QUATTRO

Accuracy: $\pm 0.3\%$ o.r.

WHY THE COM4.FLOW-QUATTRO SETS NEW STANDARDS

The CoM4.Flow-Quattro combines four cascaded laminar flow elements with high-precision pressure and temperature sensors to achieve unmatched accuracy in gas flow measurement across a wide measurement range.



MAXIMUM
PRECISION.
MINIMUM
UNCERTAINTY.

TAILORED TO
YOUR FLOW
MEASUREMENT
NEEDS

From concept to commissioning – comprehensive flow measurement solutions for industrial and scientific applications. We support you in selecting and integrating the ideal CoM4.Flow-Quattro configuration

KEY FEATURES AT A GLANCE

● 4-channel LFE for measurement range 1:20,000

Four cascaded LFE flow meters measure flow rates between **0.002 and 20 L/min** with an **accuracy of $\pm 0.3\%$** of the measured value.

● Pressure or vacuum mode

Operation with an **input pressure of up to 10 bar** and atmospheric output pressure, or vacuum operation across the full measurement range.

● Accredited Calibration

ISO 17025-accredited calibration of flow, pressure, temperature, and humidity sensors.

● Process Integration

Ethernet interfaces for seamless integration into any process control system.

● Measurement or Control Mode

For the precise measurement or control of flow rates with an accuracy of **< 0.1 ml/min**.

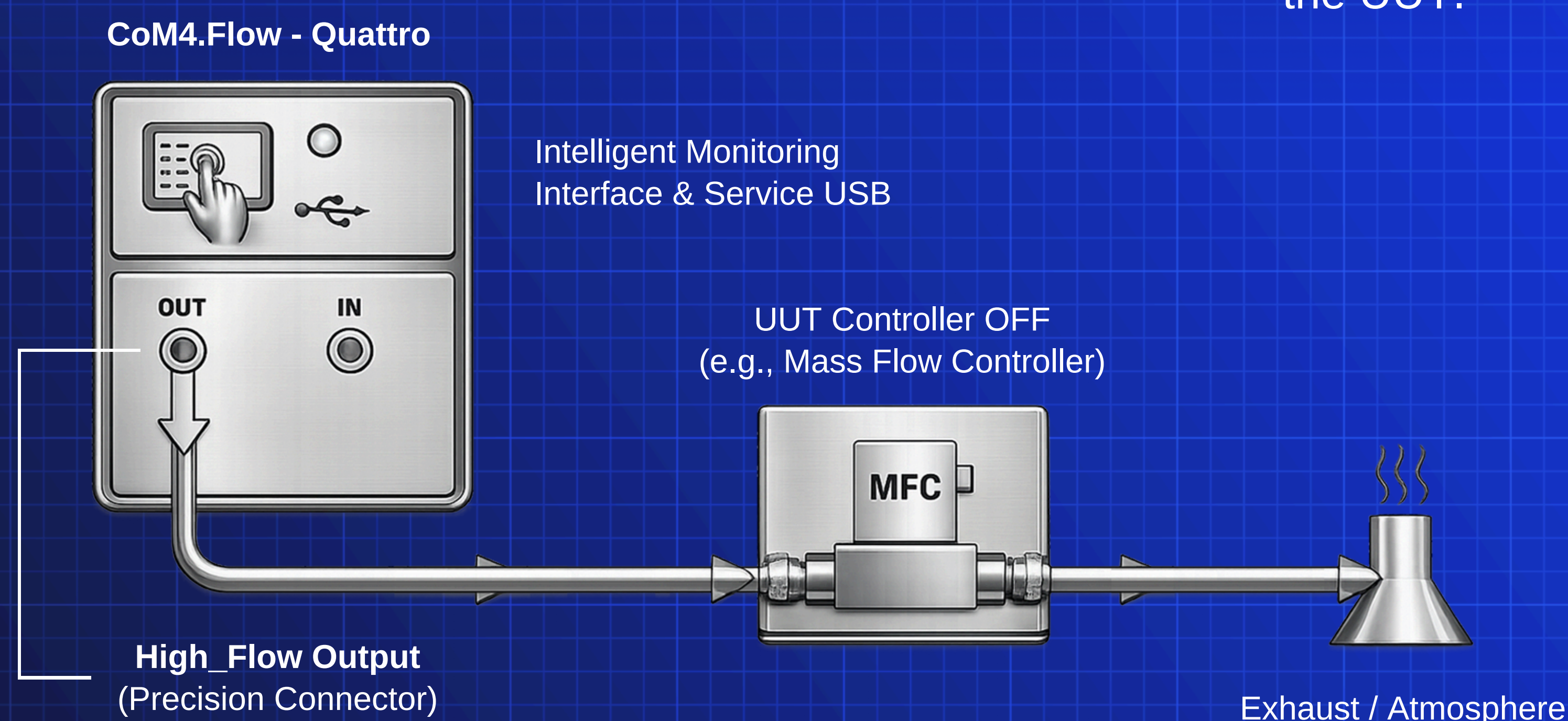
POSSIBLE APPLICATION METHODS

COM4.FLOW-QUATTRO CONTROL MODE

The Quattro regulates a preset or user-defined gas flow rate—with an accuracy of 0.1 ml/min.

The UUT is purely passive and, based on its operating/functional principle, performs calorimetric or similar measurements.

Using the gas flow rates from the Quattro and the flow-specific results from the UUT, it is possible, for example, to determine a characterization curve for the UUT.

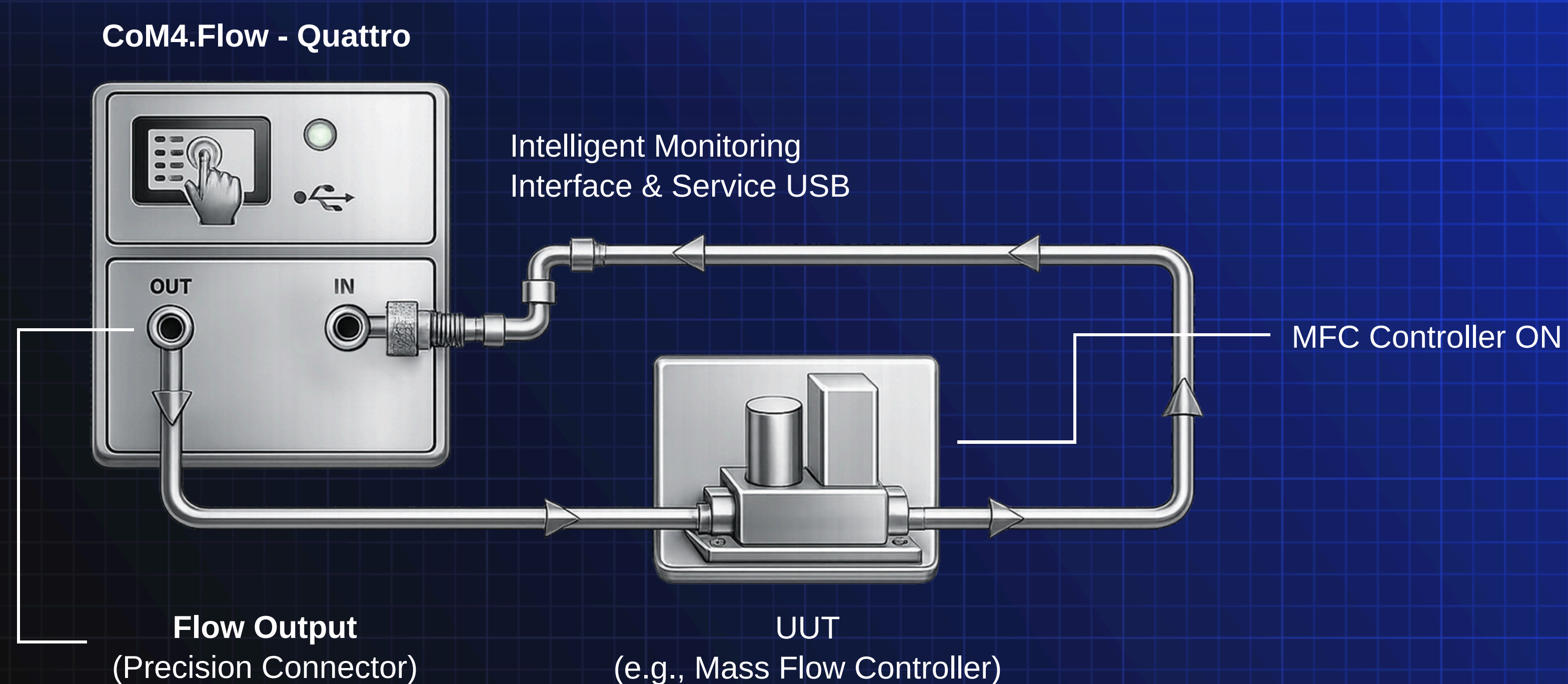


COM4.FLOW-QUATTRO MEAS MODE

The Quattro regulates or sets the required gas pressure at the inlet of unit under test (UUT).

The unit under test (UUT) regulates pressure and flow using externally specified parameters.

The gas flow regulated by the UUT is measured by the Quattro with an accuracy of 0.3%.



WHY YOU SHOULD CHOOSE THE COM4.FLOW-QUATTRO

Our expertise in thermodynamics and sensor technology makes the difference – trust in precision flow measurement.

- Highest measurement accuracy for your industrial processes
- Traceable calibration per DIN EN ISO/IEC 17025
- Custom sensor solutions for manufacturing and laboratory applications

CONTACT US FOR YOUR FLOW MEASUREMENT NEEDS

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Schedule your free
consultation today!

