Highly accurate measurements are needed for successful leak checks. As a result of calibration with the actual gas, our thermal mass flow rate meters are exceptionally accurate over the entire range of measurements. The measurements can be evaluated in many different ways, according to particular needs.

**Leak measurement:**
Highly reliable thanks to real gas calibration

**Key Features**
- Highly accurate measurement (real gas calibration)
- Evaluation of threshold through an external signal
- Very fast response time
- High productivity

**Interfaces**
- Analog
- Modbus RTU
- Profibus DP·V0/DP·V1
- Profinet / EtherCAT

**Typical applications**
- Absence of leaks in gas supply systems:
  - Chemistry, Medicine
- Leak measurements on test items
  - (valves, engine blocks, etc.):
  - Leak test equipment, calibration leaks,
  - quality assurance

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**Fig. 1** Functional scheme of leak measurement

**Fig. 2** red-y smart meter & controller:
The high precision and tight sealing of the thermal mass flow meters and mass flow controllers is remarkable.