

Centralized Measurement of Gas Consumption:

Minimize Leaks and reduce Costs

Measuring the consumption of expensive gases leads users to be economical with resources. Costs are promptly reduced, and the user knows exactly where, when and how much has been used. The values measured by the thermal mass flow rate meter are converted to digital and analogue signals and are monitored by PC/PLC.

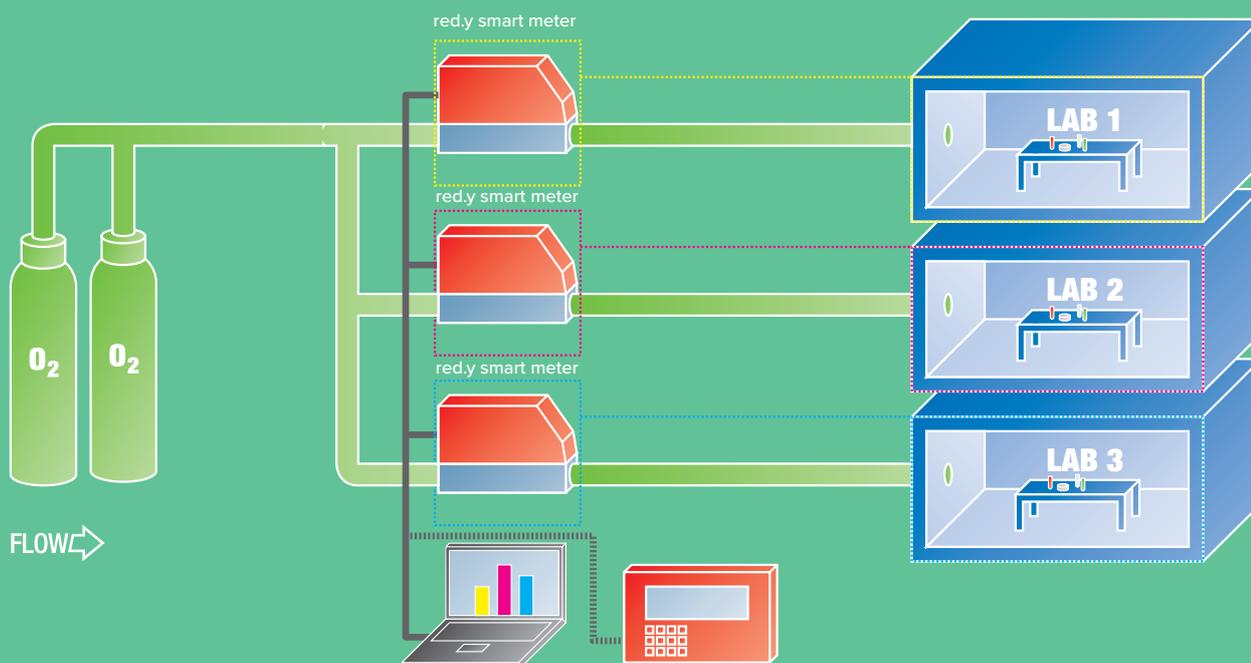


Fig. 1 Functional scheme of centralized measurement

Key Features

- ★ Central control by PC or PLC
- ★ Recording the measurements
- ★ Broken pipe monitoring
- ★ Unaffected by pressure variations
- ★ High precision and dynamic range
- ★ Display of current value and total consumption
- ★ Small investment with great benefit

Interfaces

- ★ Analog
- ★ Modbus RTU
- ★ Profibus DP-V0/DP-V1
- ★ Profinet / EtherCAT

Typical applications

- ★ Hospitals
- ★ Chemical industry
- ★ Laboratories
- ★ Food production



Fig. 2 red.y smart controller:

The free *get red.y* software runs on any PC with a Windows operating system. Measurements can easily be recorded and evaluated.

