

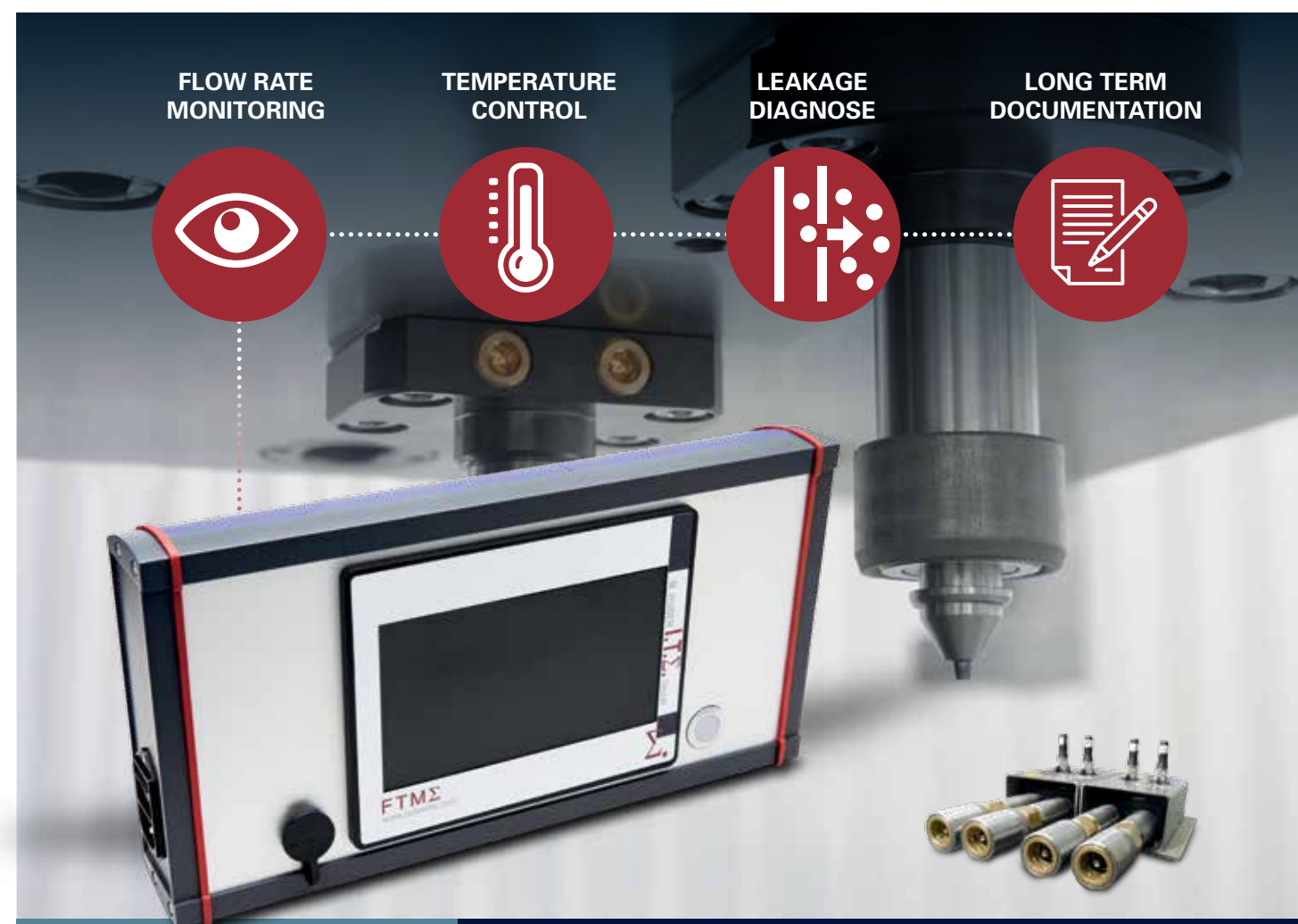


- COLD RUNNER TECHNOLOGY
- COLD RUNNER MEASURING AND CONTROL TECHNOLOGY
- MOULD MAKING
- CONSULTING
- DESIGN
- SIMULATION
- PROJECT MANAGEMENT
- TRIAL MOULDS AND TESTING
- PRODUCTION MOULD, TUNING, SAMPLING
- COMMISSIONING AND TRAINING

Die LöΣung.



Flow & Temperature Monitoring System



Process reliability and preventive maintenance at a new level.

- Process Optimizing
- Preventive Maintenance Identification
- Energy Consumption Record
- Local Data Log
- OPC UA Network Access

The Measurement

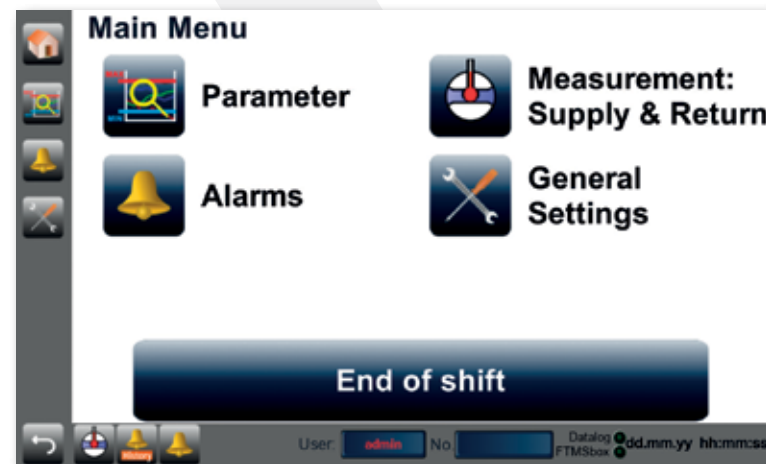
- Flow: Liters per minute [l/min];
- Temperature: Degree Celsius [°C] / Fahrenheit [°F].
- Option: Pressure [bar].
- Differential measurement between supply and return line , as well as the energy consumption.

Place of the Measurement

The difference to traditional measures with the FTMS is the place of measurement. The measuring sensors of the FTMS mounted directly at the in- and/or return connection of the device to be controlled.

Advantages of the FTMS

- Cross-sections narrowed by sediments during production, e.g. scale or coke, affect the process stability, production efficiency and thus the process quality. The FTMS gives you an immediate insight of the condition of the temperature control channels as well as the current medium temperatures. Due to the differential measurement, large leaks can be detected early. Your preventive maintenance can be planned and performed even more provident.
- The data logging saves all measured data during your production in a freely adjustable time interval. These can then be transferred to an USB storage device in CSV format and product-specific feed into your process documentation for subsequent data analysis.
- Flexible and easy installation of the system components enables fast integration of the FTMS in your current production.
- Detects automatically how many sensors with their specific ranges are connected.
- Additional Monitoring of the Flow combined with a critical global predefined temperature for each sensor.
- Easy installation with pre-assembled neodymium magnets.



Flow & Temperature Monitoring System

- Dimensions: 360x190x63 mm
- Power supply: 100-230V, 50-60 Hz
- 7"-Touchpanel with integrated Datalog and graphical Visualization of the measured values.
- Predefined Languages.

FTMS Interfaces

- OPC UA via RJ45-socket (network connection required).
- Browser-based Visualization of the FTMS Graphic User Interface via RJ45-socket (network connection required).
- USB Type A for local Datalog.
- Operating and -status LED.
- Audible alarm on alarm.

FTMSbox

- Dimensions: 120x120x35 mm
- Connection to FTMS via supplied M12 connection cable (length: approx. 5m).
- Easy installation with pre-assembled neodymium magnets.
- Applicable up to 32 Sensors.

Combined 2in1 Flow- and Temperature sensor (QT-Sensor)

- Measuring Range Flow: 1-18 l/min; 2-40 l/min, others on request.
- Measuring Range Temperature: 0-120°C; 0-160°C

Alternative – Combined 3in1 Flow-, Temperature and Pressure sensor (QTP-Sensor)

- Measuring Range Flow: 2-20 l/min; 4-40 l/min, others on request.
- Measuring Range Temperature: 0-120°C
- Measuring Range Pressure: 0-10 bar

