**Thermal compressed air meter of the highest level**

Flow sensors / flow meters

- **Exact allocation of energy costs due to precise consumption measurement**
- **Improvement of energy efficiency via leakage monitoring**
- **Reduction of installation, maintenance and hardware costs**
- **The basis for a comprehensive energy management system according to DIN EN ISO 50001**
- **Pressure monitoring thanks to the integrated pressure sensor**

"All-in-one sensor" reduces costs

This new thermal compressed air meter for compressed air in industrial use distinguishes itself as a real all-rounder. It does not only have an integrated temperature sensor but it also features a pressure sensor, allowing the user to read four process values at once (volumetric flow, pressure, temperature, totaliser = total quantity meter) and optimise the production.

**Compressed air monitoring at a glance**

Integration of the SD compressed air meter into the maintenance unit of existing or new installations provides additional advantages. Now the process values of compressed air in industrial use can be effectively monitored in common compressed-air networks via the integrated TFT display, which allows for selection between four different and individually adjustable graphic layouts. The process values can also be transmitted via IO-Link.
The SD’s precise flow monitoring allows for leakage detection and energy cost savings. In addition, the unit’s high repeatability enables exact allocation of the costs of compressed air to the respective production line as well as optimised product cost calculation.

Efficient monitoring of the operating pressure

Thanks to the integrated pressure measurement, both the pressure drop on the polluted filter systems and the compressed air system’s general operating pressure can be optimally monitored which is quite important because if the installation comprises actuators that are operated at 5 bar instead of the ideal 6.3 bar, load speed is already reduced by 25%, with productivity decreasing. On the other hand, an excessive operating pressure does not increase the performance but generates increased consumption of compressed air and increased wear of the unit.

* Applies to the specified article(s) and must be requested when ordering the sensor. Subsequent orders are only possible if the device is returned.

For further interesting information go to: ifm.de/compressed air meter

For further technical details please visit: ifm.com