

STILL SWITCHES, WHEN OTHERS SWITCH OFF

**MONITOR 4.0 Analog Transmitter
with Switch Output**



MASTERPIECES
MADE IN GERMANY

www.meister-flow.com

RELIABLY SECURES YOUR PROCESSES

ANALOG TRANSMITTER WITH SWITCH OUTPUT MONITOR 4.0

Limit switches on flowmeters usually trigger an action only when a certain maximum or minimum value is reached. However, demands have increased. Today's sensors must also be able to record and transmit machine and process data continuously. This data is essential for documentation, quality assurance, and failure analysis.

This is where the MONITOR 4.0 comes into play. It emerged from our SIGNAL 4.0 and was developed in close cooperation with our customers.

The MONITOR 4.0 is not just a transmitter that outputs the measured flow as an analog current signal; it also has a practical switch point monitoring function. It continuously records the current flow and reliably switches off when the set value is reached.

The MONITOR 4.0 does not only work under „clean room conditions“ like many other transmitters. Thanks to its robust stainless steel body, it is also ideal for use under the toughest conditions.



FUNCTIONALITY OF A HALL-SENSOR

Our MONITOR 4.0 measures the flow rate by means of Hall-Sensors, which are semiconductors that generate a signal, being proportional to the applied magnetic field. The flow rate is shown as an analog signal.



THE MONITOR 4.0 IS JUST RIGTH FOR YOU, IF YOU...

- need continuous flow measurement with reliable switching point monitoring.
- want to monitor the switching status visually directly on the device.
- expect precision and reliability even under the toughest conditions.
- want to reprogram your transmitter quickly, easily, and without tools, directly on-site.
- always want to have a precise overview of your process data.





EASY AND FAST PROGRAMMING OF THE SHUT-OFF POINT

Imagine you have to quickly set a new shut-off point in a running production line. With the MONITOR 4.0, this is no problem: you can program the shut-off point directly on-site and without any additional tools within a few seconds. Simply set the desired flow value, press the "teach-button", and the new switch point is saved until you need to reprogram it again. This saves time and ensures smooth processes.

TECHNICAL DATA

ACCURACY	$\pm 1\%$ of full scale*
OPERATING TEMPERATURE	-20 °C to 70 °C
DIMENSIONS	47 x 17 x 21** mm (34,8 mm)

* On request, the measurement accuracy can be improved considerably by calibrating each product individually.

** without thread

SPEAKS WITH ALL DEVICES

Our MONITOR 4.0 transmits **standard analog signals (4–20 mA)**. Such standard signals allow the communication between devices without worrying about protocols or already existing bus-systems. This feature makes our MONITOR 4.0 **suitable for all purposes** – an important argument towards a **wide-ranging implementation of Industry 4.0**.



You can find other
variants here.



MEISTER STRÖMUNGSTECHNIK®

A STRONG BRAND

WITH RELIABLE PRODUCTS

With over 40 years of experience **Meister Strömungstechnik®** develops, produces and globally distributes flowmeters for industrial applications to measure and monitor liquids and gaseous media.

Our products are characterized through outstanding **quality, reliability and longevity**, especially under harsh conditions in nearly every industry.

Thousands of customers and millions of applications worldwide rely on our **masterpieces "Made in Germany" by Meister Strömungstechnik®**.

MASTERPIECES MADE IN GERMANY FOR OVER 40 YEARS

Since 2002, we are **DIN ISO 9001** certified. Of course, we do comply with all relevant standards and guidelines, including UL/CSA certification for most of our products.

Many of our products are ATEX certified and can be used in explosive environments. **Maximum customer value is the highest priority of Meister Strömungstechnik®.**

We constantly invest in product improvements, **product qualifications and in our employees**. In that way, we constantly expand and improve our competence level to successfully achieving maximum value for our business partners.

You need expert consultation or support?
We are here to support you every step of your way.

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MEMBER OF THE MEISTER-GROUP

**Meister
Strömungstechnik GmbH**
Im Gewerbegebiet 2
D-63831 Wiesen

Tel +49 6096 97200
Fax +49 6096 972030
Mail sales@meister-flow.com

Here you find more information
about our **MONITOR 4.0**:



www.meister-flow.com