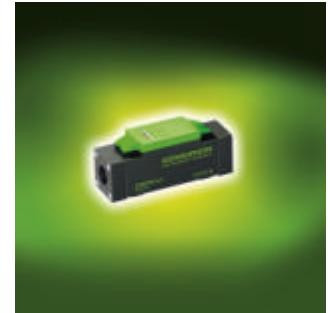


# Cost Optimized CMOSens<sup>â</sup> Mass Flow Meter

*New Low Cost CMOSens<sup>®</sup> Mass Flow Meter for Gases: Up to 200 l/min with an Accuracy of down to 3% of Measured Value for the Entire Flow Range of up to 200 l/min*



Sensirion presents a **new generation of cost optimized mass flow meters** with patented CMOSens<sup>®</sup> technology. The main advantage of the CMOSens<sup>®</sup> EcoLine is its very wide flow range (**0-200 l/min with only one instrument**) at an attractive price, especially for OEM applications.

Thanks to the fusion of a thermal sensor element with the readout circuitry on a single semiconductor chip (patented CMOSens<sup>®</sup> technology), the EcoLine achieves an unusually high **dynamic range of up to 1:1'000**. This indicates that a single CMOSens<sup>®</sup> EcoLine meter covers the range of several traditional mass flow meters, which can reduce the system cost significantly.

The EcoLine presents an accuracy of down to 3% of the measured value over the entire range of 1 to 100% of the flow range. The digital output can deliver the measurement data with a speed of 5ms.

The rugged chemically inert housing is made of polycarbonate and is resistant to pressure of up to 8 bar (116 psi). This opens up a wide range of application varieties, for instance in process industry, medical applications or in the pharmaceutical industry as well as in chemical engineering. The CMOSens<sup>®</sup> EcoLine is particularly suitable for OEM applications requiring precision and speed at minimal cost.

Modern technology permits a simple operation following the plug and play principle. The **digital readout** delivers the **calibrated** data via an **RS-232/SPI interface**. The supply voltage can vary between 7 and 18 VDC.

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### About Sensirion:

Sensirion AG is a high-tech sensor technology company based in Zurich, Switzerland. We are the worldwide leaders in intelligent CMOS-based sensor devices (CMOSens<sup>®</sup> technology) for humidity/temperature sensors as well as mass flow (gases and liquids) and differential pressure sensors (gas). Sensirion OEM customers benefit from intelligent system integration (integrated intelligence including calibration and digital interface), which enables costs to be saved as a result of the simplest system connection (easy-to-use) and modularity.

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