

Gas Flow Solutions for OEM Customers

We help you to develop a superior product based on our proprietary CMOSens™ technology.

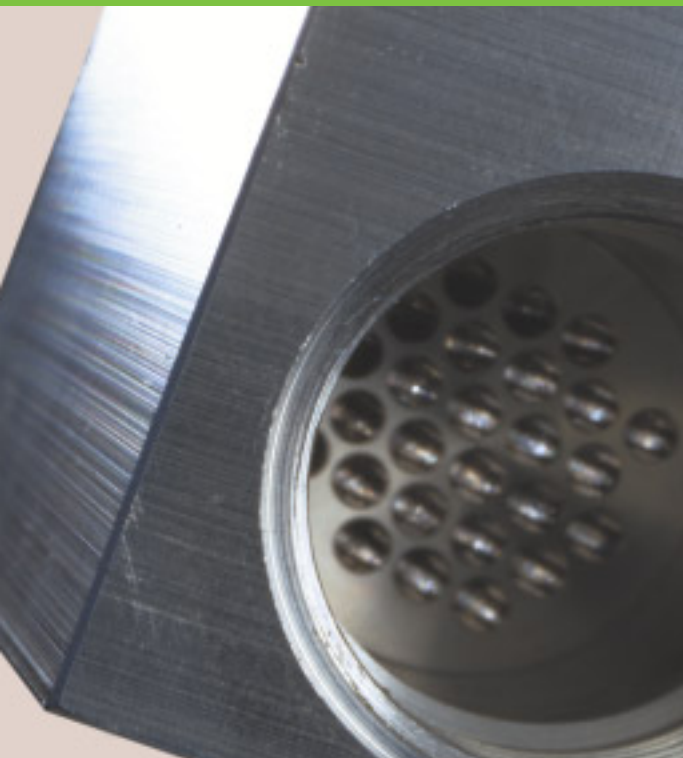
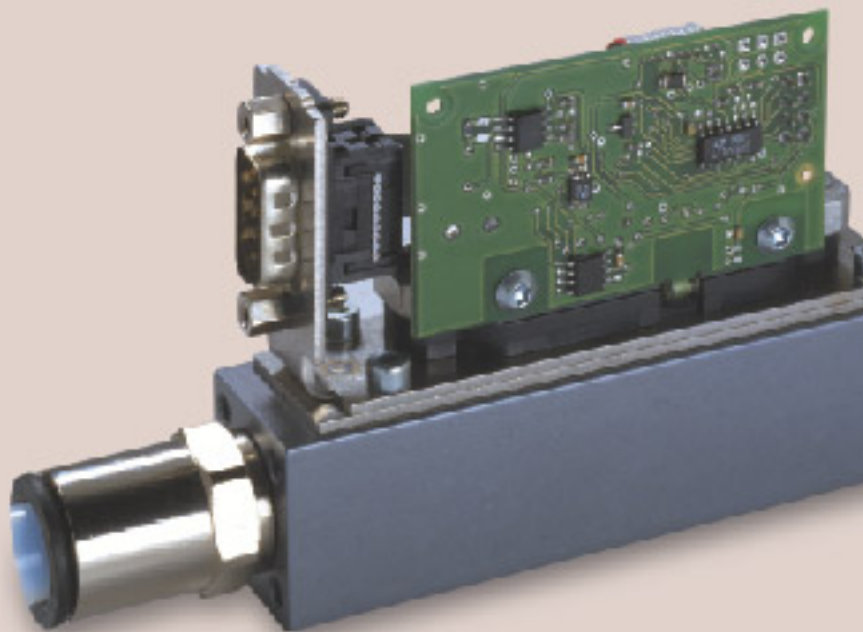
Together with our customers we have implemented modules or complete devices for:

- _ Mass Flow Controllers
- _ Building control sensor modules
- _ Transducers for combustion control
- _ Medical instruments
- _ Gas meters
- _ Sensors for pneumatic systems
- _ Analytical instruments
- _ Battery driven systems

powered by

CMOSens™
TECHNOLOGY

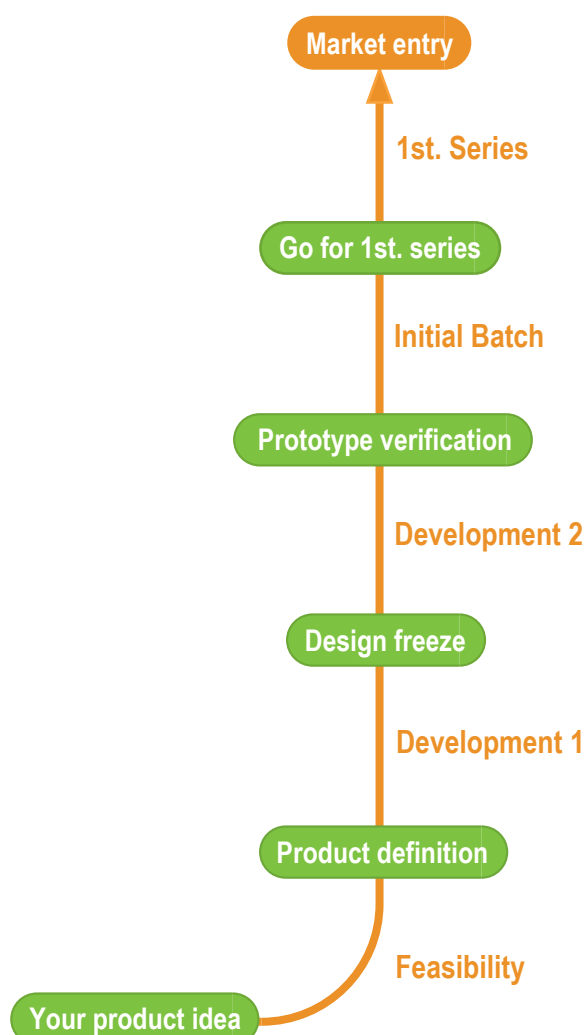
www.sensirion.com



Your partner for innovative sensor solutions.

SENSIRION
THE SENSOR COMPANY

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Our Core Competences

- _ Gas flow engineering
- _ Advanced packaging
- _ Calibration systems
- _ Embedded systems and controllers
- _ Mixed mode chip design
- _ Project management

Feasible Specifications

_ Fluidic

Gas type
Absolute pressure
Pressure drop
Resolution
Dynamic range
Temperature range

Examples

Air, O₂, He, NH₃, HCl, CH₄, ...
3 bar, 10 bar, 200 bar
0 ...5000 Pa
0.001 sccm
1:10'000
-40 ...120 °C

_ Electrical

Interface
Protocol
Power supply
Fail safety
Power consumption

RS-232, RS-485, 4 ...20mA,
0 ...5V, wireless
CAN, I²C, Modbus™, SPI
3V, 5V, 18V, 24V
self test, auto compensation
min. 50 μW feasible!

_ Packaging

Protection category
Wetted materials

IP54, IP65, IP67
Silicon Nitride, PEEK, Stainless Steel,
Teflon

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