# SENSIRION THE SENSOR COMPANY

# Sensirion – The Sensor Company

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### **CMOSens Technology**





Temperature and Humidity sensor before Sensirion







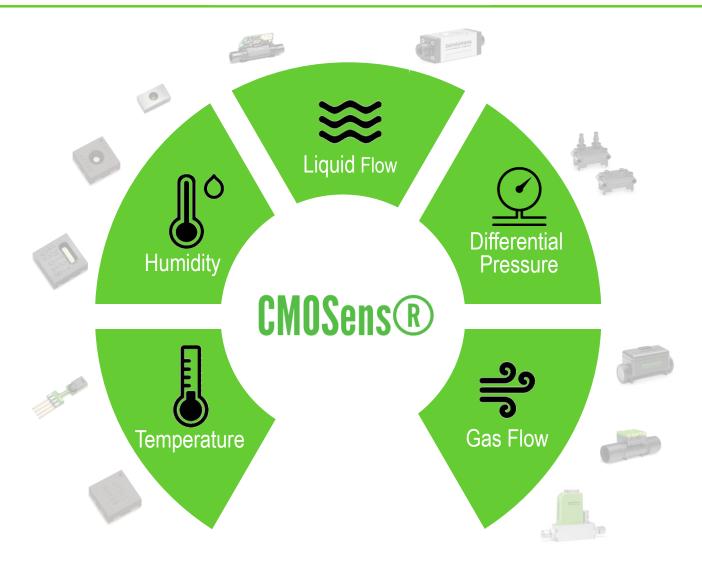
### A Success Story

#### Sensirion inside:

- 2 of 5 cars produced worldwide
- First humidity sensor in a Smartphone
- Strong footprint in medical devices (Ventilation, Anesthesia)



### Sensirion Product Range





#### The Vision





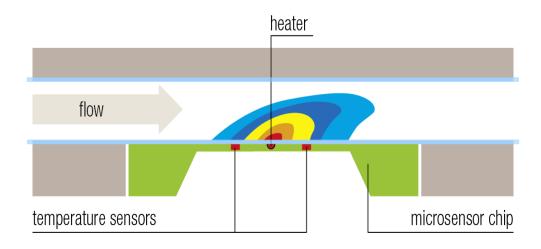
**Medical Applications** 

#### Successful sensor

- Small
- Cost-effective
- High-performance



#### Measurement: Microthermal Principle



- Media isolation
- No moving parts
- Open, straight flow channel
- High performance at low flow rates



# **CMOSens®**

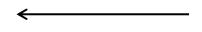
**Signal** 

...1001101100011...

Linearized

**Calibrated** 

### **CMOS** Sens Sensor **MGMT** Memory ADC 2 mm Signal Amp **Processing Physical Flow**



**3.6 mm** -



### Powerful Advantages

# **CMOSens®**

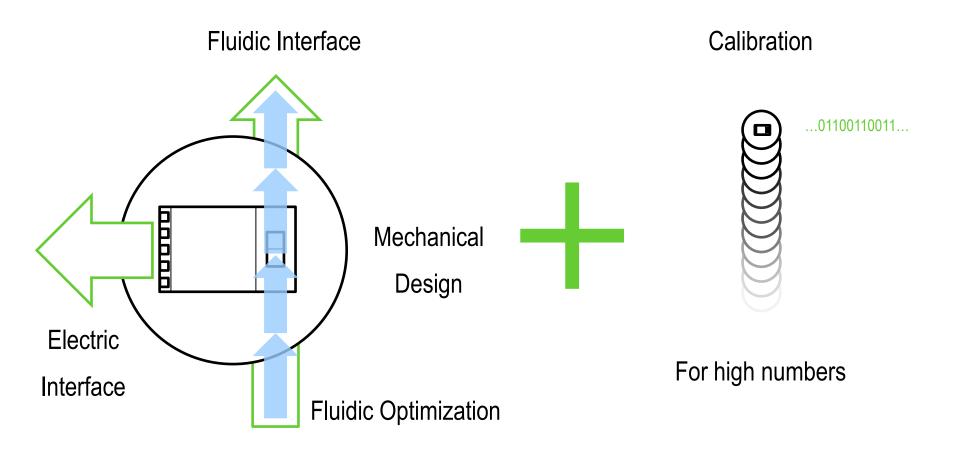
- Small
- Cost-effective
- Reliable

#### Thermal principle

High performance at low flow rates



## Sensirion Expertise



### Design Study Medical – Disposable Liquid Flow Sensor

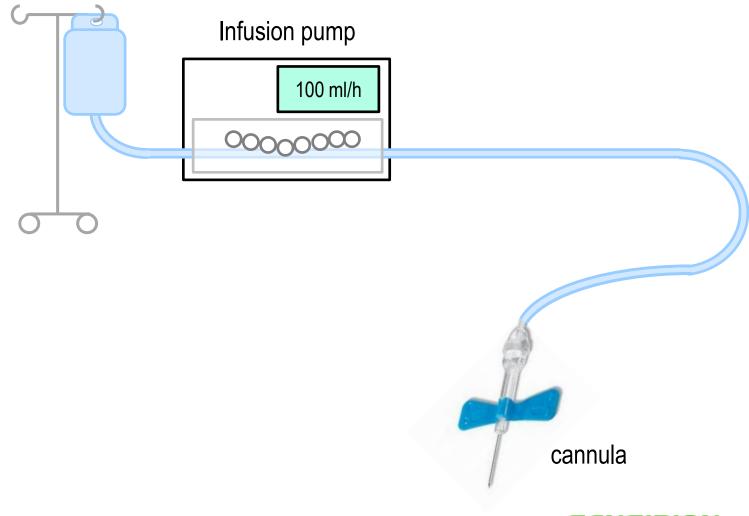


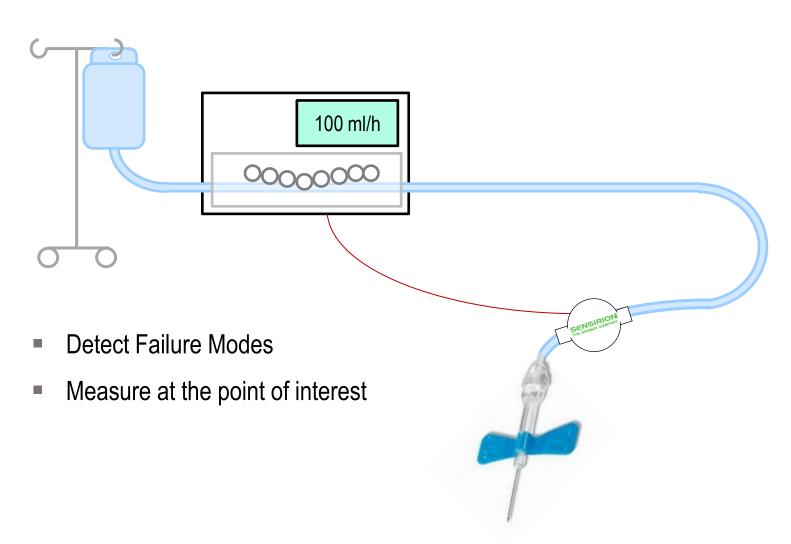
- Plastic shell
- Flow channel inside
- Easy integration: Luer lock fittings

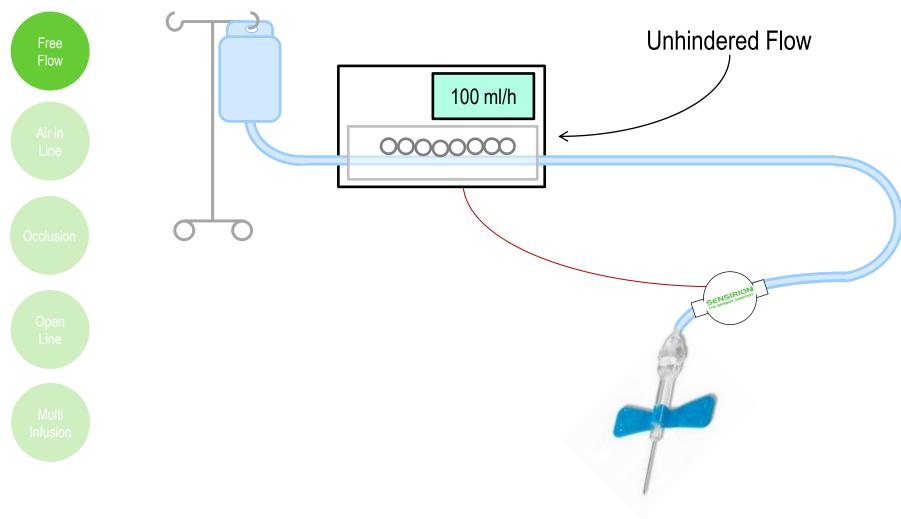
### Infusion Therapies - Monitoring

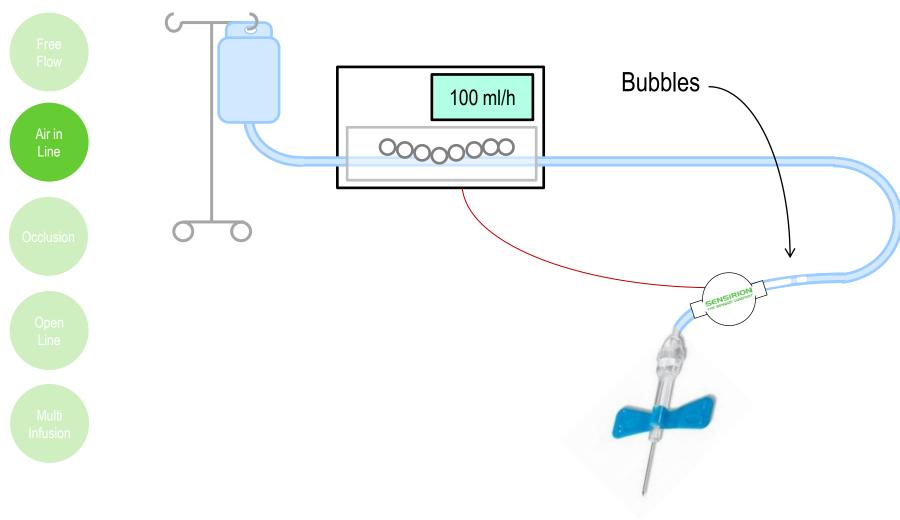


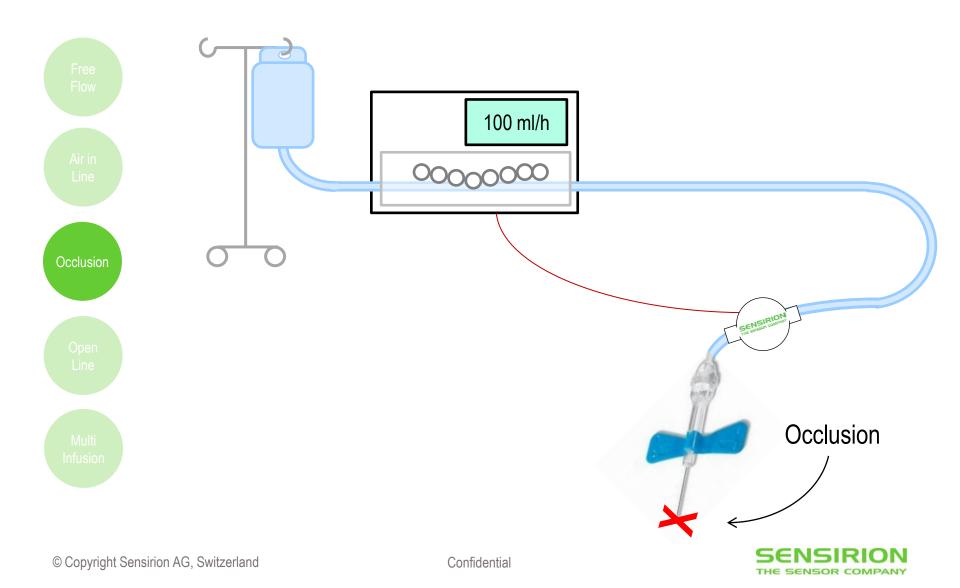


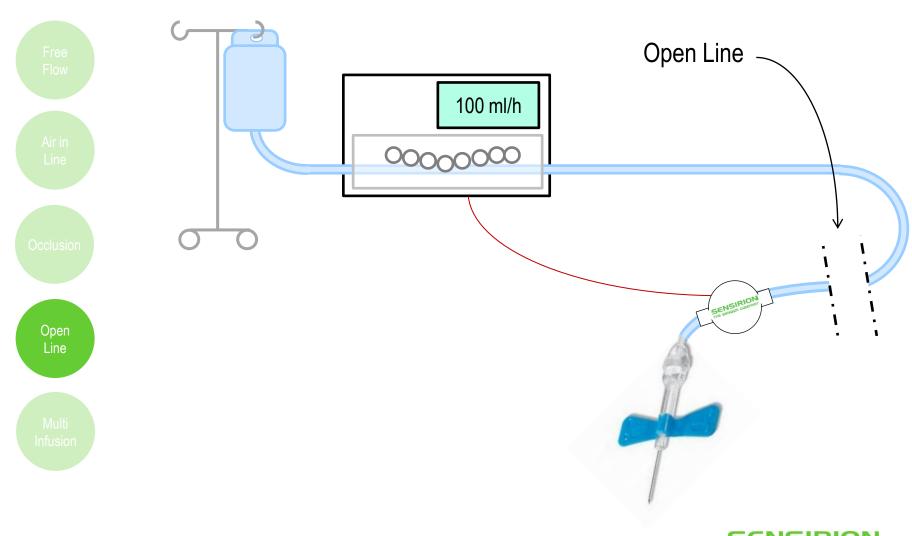




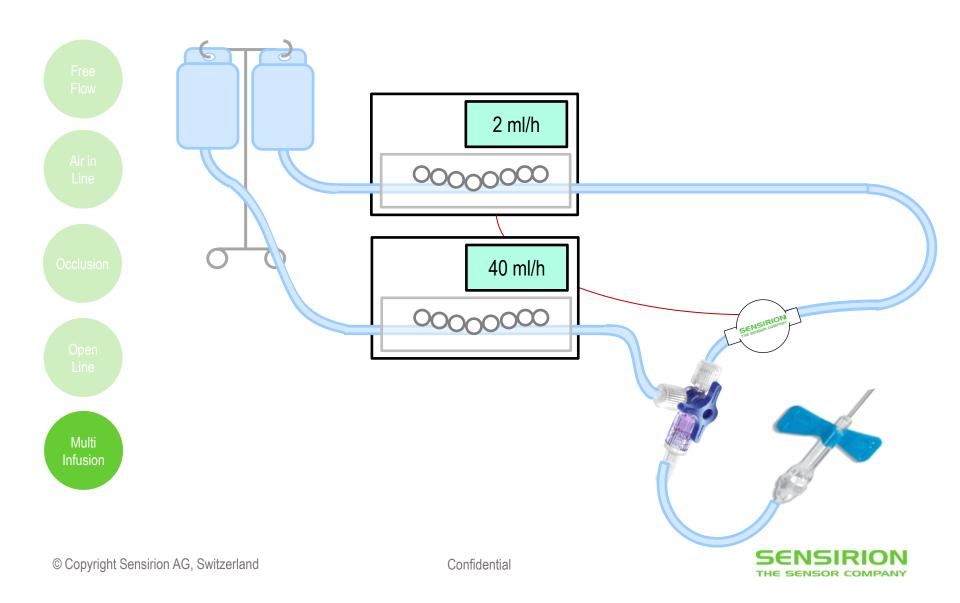








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# Thank you for your attention!

