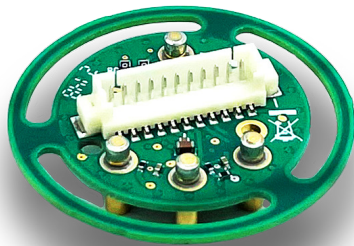


Front End

The Membrapor Front End provides a scalable and reliable system connector for gas detection. Its small footprint and ultralow power consumption makes the Front End a natural choice for harsh environments and precision gas monitoring applications.



Precision Gas Sensor Front End for 4-, 5-, and 7-Series



Compact Sensor (7-Series) attached to Front End

Main Features

- I2C communication for circuit control and sensor parameters
- Available for 4-, 5-, and 7- series electrochemical cells
- Compatible with most microcontrollers
- Optional pre-calibration available for selected gases

Our Contribution to Your Success

- Reduce downtime and unscheduled maintenance costs
- Increase safety and reliability to protect personnel and assets

Description

The Front End is a product that our customers demanded—lean and sleek, easy to use, reliable and very cost-effective. Combined with the development environment [MembraSens](#), it accelerates the time to market. The use of Membrapor original components ensure operational safety and durability.

Performance Data

Power Consumption: Sensor + Front End	< 10 mW
Supply Voltage	3.3 V
Connector P1	Molex 11 pin, 1.25 mm pitch
Max I2C clock frequency	100 kHz
Potentiostatic circuit	2 x LMP91000

For more details, please visit www.membrapor.ch, or contact us at info@membrapor.ch.