

Sensor for the measurement of dissolved hydrogen in pure water

Swansensor Hydrogen

Precise hydrogen measuring cell with integrated temperature sensor.

Long maintenance interval (typical >1 year, depends on concentration).

Easy calibration (in pure hydrogen).

No exposed metallic surfaces, no corrosion in corrosive media.

High electric reliability. No integrated electronics.

Technical data:

Amperometric, membrane covered hydrogen electrode

Cathode silver, anode platinum

Zero current-free electrode system

Robust 25 µm fluoropolymer membrane

Measuring range:

0 - 800 ppb H₂ (25 °C, 1013 hPa) or,
0 - 50% saturation

Accuracy: ± 3 %

Repeatability: ± 1% of reading or ±0.5 ppb
(whichever is greater)

Response time: t₉₀ < 40 seconds or ±1ppb
(whichever is greater)

Minimal flow: 30 cm/s

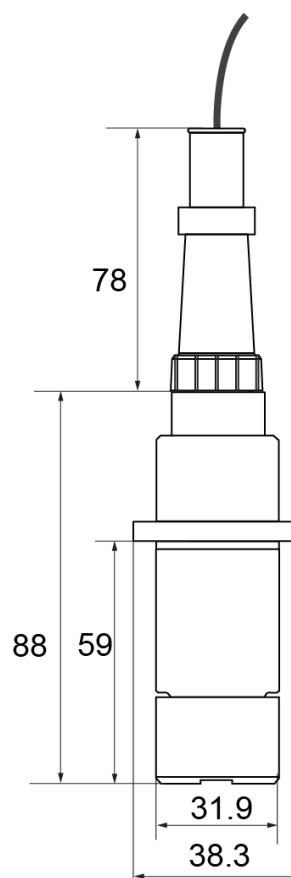
Pressure resistance: 3 bar

Operating temperature: max. 45 °C

Material: Polyphenylsulfon (PPSU)

Protection: IP 68

Weight: 100 g



Delivery includes:

Sensor with M1 plug, prefilled with electrolyte,
protective cap, sensor adapter.

Order Nr. Swansensor Hydrogen; M1 plug

A-87.260.001