



Orbisphere Hydrogen (H₂) EC Sensor in stainless steel with EPDM O-ring (100 bar)

Ürün Numarası: 31230.01
TRY Fiyat: Bize Ulaşın

Allows you to monitor hydrogen in the power production process.

The unique polarographic sensor design is a proven performer wherever knowledge of H₂ content is critical. From corrosion monitoring in power generators to chemical manufacturing, this sensor provides fast, accurate hydrogen measurements, in gaseous or liquid samples.

A wide range of temperature and pressure ranges is made possible by the exclusive valve seat sealing, whereby the sensor cathode is mechanically tensioned against a ceramic valve seat to ensure the integrity of the seal. This design enables a vanishingly small residual signal, for improved accuracy.

All these hydrogen sensors use the deep-draw membrane mounting method for a uniformly thin layer of electrolyte for faster response and superior stability. Coupled with a screw-on protection cap, the sensor provides in-service intervals of up to a year.

Guard Ring Electrode Design

An auxiliary guard ring electrode surrounds the working electrode to shield against the influence of other gases and improve stability.

Rugged Construction

Use for harsh chemicals, hot CIP and high pressure situations.

Flexibility

Installs in-line for process control, or in flow chamber for spot measurement. Cable detaches at sensor end for installation and maintenance flexibility.

Teknik özellikler

Ağırlık:	140 - 700 g, depending on the construction material
Akış hızı:	Typical Flow Rate Membrane 2956A: 50 - 220 mL/min Membrane 2952A: 40 - 200 mL/min Membrane 2995A: 20 - 70 mL/min Membrane 29015A: 20 - 40 mL/min
Doğruluk:	The greater of ±1% of reading, or ±0.03 ppb, or ±1 Pa (Membrane 2956A)
Garanti:	6 aylar
Koruma sınıfı:	IP68 / NEMA4
Kutudakiler:	Sensor only.

	Controller, sensor cable, flow-chamber or process connection must be ordered separately.
Numune basıncı:	0 - 100 bar
Ölçüm aralığı:	Range at 25 °C
	Membrane 2956A: 0 - 75 ppb or 0 Pa - 5 kPa
	Membrane 2952A: 0 - 300 ppb or 0 Pa - 20 kPa
	Membrane 2995A: 0 - 3200 ppb or 0 Pa - 200 kPa
	Membrane 29015A: 0 ppb - 32 ppm or 0 - 2000 kPa
Ortam sıcaklığı:	-5 - 100 °C (23 - 212 °F)
Purge connection:	None
Radyasyon direnç seviyesi:	Membrane 2956A: 2×10^4 rad
	Membrane 2952A: 10^8 rad
	Membrane 2995A: 10^8 rad
	Membrane 29015A: N/A
Sertifikalar:	2004/108/EC - EN 61326-1
Sıcaklık aralığı:	Accurate from -5 - 50 °C (23 - 122 °F)
	Resistant - temperature from -5 - 100 °C (23 - 212 °F)
Uygulama:	Corrosion rate

Kutudakiler

Sensor only. Controller, sensor cable, flow-chamber or process connection must be ordered separately.