



ORBISPHERE K1100 LDO Sensor Kit, 0-2000 ppb, 28mm ORBISPHERE fitting, wall mount

Termékszám:

K1100-KTO-W-MET

HUF Ár (nettó):
Elérhető

Elérhetőségünk

The first maintenance-free optical oxygen sensor for power plants.

Kit containing high accuracy Luminescent Dissolved Oxygen sensor K1100-S00, Controller 410K/W1C00000, 3 m cable, 6 mm flow chamber. Specially designed for power plants.

The absence of membrane and electrolyte means that the sensor accuracy is unaffected by process changes such as changes in flow. Maintenance and operating costs are significantly reduced. The sensor has been designed to ensure mechanical robustness to extend operational lifetime and optimise its total cost of ownership.

The quick response time comes from the ORBISPHERE K1100 two second measurement frequency. Capable of measuring accurately at this frequency over a 12 month period. With no calibration required, the K1100 surpasses other optical and electrochemical sensors that display significant drift after only a few months in the same conditions. This optical sensor is designed for minimal drift, resulting in it being the most stable sensor with the longest calibration intervals achievable in the market. This is possible by its long-life spot and optimised controller software.

Maintenance intervention is limited to 2 minutes and a zero point calibration, offering significant cost benefits compared with traditional electrochemical sensors and other luminescent sensors. Using gas phase calibration means chemicals are not required, and therefore the task is easier and safer without reducing measurement precision.

One calibration per year

One zero point calibration per year is all that is needed with the K1100 sensor. Designed for minimal drift, luminescent technology makes the K1100 sensor the most stable sensor with the longest calibration interval in the industry.

No membranes = two minutes of maintenance

With no membranes to replace and no electrolyte solution to replenish, the K1100 requires only two minutes of maintenance per year. Corrosive or hazardous chemicals are not required, making the annual task faster, easier and safer without reducing measurement precision.

Low cost retrofit

The complete system consists of a controller, a flow chamber, and the K1100 Luminescent Dissolved Oxygen Sensor. The sensor is compatible with Hach Orbisphere 28 mm flow chambers, eliminating the need for engineering changes. Installation is fast and easy and does not require special preparation.

A new level of confidence

The K1100 optical sensor is the first to use luminescent measurement technology to measure both ppb and ppm oxygen levels in power plants. Since 1978, Hach Orbisphere sensors have set the industry standard for oxygen measurement by delivering confidence to every water chemistry manager. The K1100 maintains this tradition and offers significant operating and cost benefits.

A doboz tartalma:	Includes 410 wall mount controller, K1100 LDO sensor (low level), 3 m sensor cable, stainless steel flow-chamber with 6 mm fittings
Alkalmazás:	Power
Analóg kimenetek:	3 Smart 0/4 to 20 mA (500 Ohms) programmable as linear or tri-linear, configurable to send diagnostics or alarm informations.
Áramellátási követelmények (feszültség):	100 - 230 V AC
Controller Options:	410 Mono-Channel Controller
Érzékelő:	K1100 LDO
Felszerelési mód:	6 mm flow chamber
Garancia:	24 hónap
Hőmérséklet tartomány:	Accurate from -5 - 50 °C
	Resistant - temperature from -5 - 100 °C
Ismételhetőség:	± 0,4 ppb vagy 1 % amelyik nagyobb
Kalibrálás:	Single point zero calibration with standard 99.999% nitrogen (quality 5.0) or equivalent oxygen free gas
Kijelző felbontás:	0.1 ppb
Kommunikációs képességek:	3 x 0/4-20 mA; RS485; Ethernet
Környezeti hőmérséklet:	-5 - 50 °C
Legalacsonyabb detektálási határ:	0.6 ppb
Méréstartomány:	0 - 2000 ppb dissolved O ₂ (DO)
Minta hőmérséklet:	-5 - 50°C
Minta: nyomás:	1 - 20 bar absolute (14.5 - 290 psi)
Mintaáram:	50 - 300 mL/min
Paraméter:	Oxygen
Precizitás (RDS):	± 0.8 ppb or 2 % whichever is greater
Relék:	Measurement board: 3 measurement alarm relays (1A-30 VAC or 0.5A-50 VDC), configurable to send diagnostics information.
	Main board: 1 system alarm relay (1A-30 VAC or 0.5A-50 VDC).
Reprodukálhatóság:	± 0,8 ppb vagy 2 % amelyik nagyobb
Tanúsítványok:	2004/108/EC - EN 61326-1
Tárolási feltételek:	-5 °C - 100 °C
Tömeg szenzor:	0.6 kg
Válaszidő :	(раз фазы)
Vezérlő:	Wall

A doboz tartalma

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