



M1100 Луминисцентен кислороден сензор in-line 0-2000ppb с 12 мм PG-13.5 фитинги

Продукт №:

M1100-S10

BGN Цена:

Свържете се с нас

Не е показана дата на доставка

Луминисцентният сензор за разтворен кислород M1100 ви позволява да контролирате кислорода в бирата.

Sensor for the determination of dissolved oxygen (DO) in beer (bypass) and de-aerated water.

The M1100 Oxygen sensor has an unbeatable precision of 0.8 ppb and a limit of detection of 0.6 ppb. Such accurate measurement readings are essential to control low oxygen levels in beer.

The absence of membrane and electrolyte means that the sensor accuracy is unaffected by process changes or pressure shocks. Maintenance and operating costs are also reduced. The sensor has been designed to ensure mechanical robustness and resistance to CIP processes to extend operational lifetime and optimise its total cost of ownership.

The quick response time comes from a two second measurement frequency. Capable of measuring accurately at this frequency over a 12 month period.

Минимално отклонение и ежегодно калибриране

The M1100 sensor provides immediate oxygen readings with a measurement frequency of two seconds. The instrument carries consistent readings with no drift for 12 months without calibration (when utilising standard weekly CIP processes), surpassing other optical sensors that display significant drift after only a few months in similar conditions.

Много точни ppb измервания на кислород

The M1100 pioneered the use of luminescent technology in brewing applications (bypass) and as a result, the sensor doesn't require the replacement of membranes or any electrolytes. Additionally, the sensor's accuracy is unaffected by process changes or pressure shocks, further reducing maintenance. Annual maintenance is limited to just a few minutes for a zero-point calibration. Chemicals are not required for this process, making the task easier and safer without reducing measurement precision.

Здрава оптична технология без мембрана или електролит

The M1100-L sensor has a lower detection level of 0.6 ppb. This highly accurate instrument's readings are essential to control low oxygen levels in beer production, to decrease unnecessary line stoppages, and to increase production uptime.

Ниски разходи за по-висок пакет

The M1100-H sensor has a range of 0-40 ppm, and is ideal for use in wort applications, for example. Even in this harsh wort environment, the instrument maintains very good accuracy and minimal drift. Only a yearly maintenance and calibration will be required in most cases.

Спецификации

IP клас на корпуса:	Sensor resistant to all common CIP methods
Време за отговор :	(90%)< 10 (газова фаза)
Възпроизводимост:	± 0,8 ppb или 2 % в зависимост от това кое е по-голямо
Гаранция:	24 месеца
Дебит:	12 mm fitting
Дисплей, резолюция:	0.1 ppb

Измерване, диапазон:	0 - 2000 ppb DO (dissolved oxygen)
Какво има в кутията:	Sensor only and manual.
	Controller, sensor cable, flow-chamber or process connection must be ordered separately.
Калибриране:	Единична точка нула калибриране
Материал:	316 L Stainless Steel (1.4435), Silicone
Навлажнени материали:	316 L Stainless Steel (1.4435), Silicone
Най-долна граница на откриваемост:	0.6 ppb
Околна температура:	-5 - 100 °C (23 - 212 °F)
Параметър:	Oxygen
Пауза:	Универсален 85-264 VAC @, 25 VA, 10-36 VDC, 25 W,
Повторяемост:	± 0.4 ppb или 1 % в зависимост от това кое е по-голямо
Приложение:	Beverage (bypass)
Проба, дебит:	К/М 1100 сензор мл/мин.
Проба: налягане:	1 - 20 bar абсолютна (14,5 до 290 psi)
Сертификати:	2004/108/EC - EN 61326-1
Тегло:	M1100 12 mm: 0.6 kg
	M1100 28 mm: 0.74 kg
Температурен диапазон:	Accurate from -5 - 50 °C (23 - 122 °F)
	Resistant - temperature from -5 - 100 °C (23 - 212 °F)
Точност:	± 0.8 ppb or 2 % whichever is greater
Условия на работа:	0 - 95 % non-condensing relative humidity

Какво има в кутията

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

Задължителни аксесоари

- Sensor cable (5 m) to connect M/K-type sensor with Orbisphere 410/510 instruments (Item 32510.05)