



## Orbisphere 3655/111 Portable Analyser, Dissolved Oxygen (O<sub>2</sub>), high resolution, units: ppm/ppb or ppm only

Product #:	3655/111
AED Price:	Contact Hach

The Orbisphere 3650/3655 offers a robust portable system solution for oxygen measurement.

Designed to be used with Orbisphere high quality oxygen sensors, these instruments provide accurate and quick measurements in both the dissolved and gas phases.

The portable instruments are designed for the harsh environment of breweries and are also perfectly adapted for laboratory or verification purposes in the power generation, electronics, life sciences and other beverage industries.

### Ideal for Harsh Environments

The Orbisphere 3650 offers a robust portable system solution for oxygen measurement. The compact stainless steel construction is designed for the harsh environment of breweries, but it is also perfectly adapted for laboratory or verification purposes in other beverage applications. In addition, the 3650 can be used across a wide range of applications in the power generation, electronics and life sciences industries.

Designed for use with the Orbisphere GA2400/GA2800 high quality oxygen sensor, these instruments provide fast, accurate and repeatable measurements in both the dissolved and gaseous phase, at line or in the laboratory. For low level applications, the specially configured Orbisphere 3655 measures to 0.1 ppb oxygen.

### Simple Operation and Data Management

The Orbisphere 3650 inlet tube is connected to a sample point or to a piercing device by a simple connector, making it quick and easy to install. The sample flows over the sensor membrane in the flow chamber, with an output valve controlling the sample's flow rate.

Each instrument comes with a Windows software package that enables the user to analyse up to 500 stored measurements and to configure the instrument. Using the RS232 connection, stored measurements can be simply downloaded to a PC for analysis.

### Simple Maintenance

The use of the Orbisphere GA2400/GA2800 sensor with this portable instrument allows for very quick cleaning with nothing more than tap water and requires no technical skills. The sensor refurbishment (typically every 6 months) takes only 3 minutes with a pre-mounted membrane cartridge and electrolyte, eliminating any risk of incorrect membrane positioning.

The Orbisphere 3650 uses two C-type, NiMH or alkaline batteries. Changing the batteries is quick and easy; stored measurements are not lost if batteries go flat or are being changed.

### Easy Calibration

Calibration after each sensor refurbishment is recommended. A traceable and simple calibration can be done directly in air by measuring its oxygen content with the use of the built-in pressure sensor and the automatic software calculation. Alternatively, the calibration can be performed against a liquid or gaseous sample of known concentration by simply entering the gas concentration via the keyboard.

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## Specifications

Battery life:	40 hours continuous use
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Compliance certifications:	CE: EN61010-1: LVD Directive
	ISO9001/EN29001
Data storage:	500 data
Dimensions (H x W x D):	150 mm x 115 mm x 220 mm
Display resolution:	0.1 ppb or 0.001 ppm
Enclosure waterproof rating:	IP65 / NEMA4
Model:	3655/111
Operating temperature range:	-5 °C - 100 °C (23 °F - 212 °F)
Parameter:	Oxygen, dissolved (high resolution)
Phase Type:	Liquid phase
Power supply:	Two C-type cells, NiCd or alkaline, each 26 x 50 mm, 2.4 - 3 Volt total
Sample pressure:	Max. 10 bar (145 psi)
Sample temperature:	-5 °C - 60 °C (23 °F - 140 °F)
Temperature compensation:	-5 °C - 60 °C (23 °F - 140 °F)
Warranty:	24 months
Weight:	2.4 kg