



## Orbisphere 3100 LDO Portable Beverage kit with EU power plug and 6 mm inlet tubing

**Product #:** DGK3100-MB1060

**AED Price:** Contact Hach

### The most rugged portable oxygen analyser in the industry

With Luminescent Dissolved Oxygen (LDO) technology integrated, this analyser is guaranteed to improve process efficiency and provide accurate dissolved oxygen measurements. Ideal for use in the beverage industries for both laboratory and process environments, it measures dissolved oxygen at ppb level.

#### Robust design ideal for harsh environments

The Hach Orbisphere 3100 is the most rugged portable dissolved oxygen analyser in the industry. Designed to withstand the harshest environments with a stainless steel enclosure. The bright, colour graphic display provides clear results in dark, cold or wet environments.

#### Fast, accurate results

Advanced optical technology provides accurate results in seconds. The Hach Orbisphere 3100 with optical sensors responds more rapidly than electrochemical sensors, allowing operators to take more measurements in less time.

#### One calibration per year

Optimised electronics and sensor optics in the 3100 mean you only need to calibrate once per year. The Hach Orbisphere 3100 maintains measurement accuracy significantly longer than other optical sensors, resulting in the most stable oxygen sensor with the longest calibration interval in the industry.

#### Low maintenance

With no membranes to replace or electrolyte to replenish, time spent servicing the sensor is cut in half. The optical sensing spot can be replaced and calibrated by the user, minimising down time. To ensure quality maintenance, a programmable reminder indicates when annual service and recalibration are scheduled.

#### Flexible communications

The Hach Orbisphere 3100 offers a high level of data confidence and efficiency by using a USB port to extract data captured by the instrument. The instrument is capable of capturing data for specific measurement points or continuously monitoring a process, recording up to 5,700 data points as a remote datalogger. An internal alarm system allows operators to see instantly which production processes are out of range.

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## Specifications

Accuracy:	± 0.8 ppb or ±2%
Application:	Beverage
Battery life:	Rechargeable battery, Lithium Ion, 10 hours of continuous use
Certifications:	LVD IEC/EN 61010-1
	EMC IEC/EN 61326-1
	Ecodesign Directive
Communication:	Data monitoring per RS232

	Data/configuration transfer per USB key
Connections:	6 mm
Data storage:	Memory
	5700 measurements
Detection limit:	0.6 ppb
Dimensions (H x W x D):	200 mm x 170 mm x 190 mm
Display:	TFT colour 72 x 54 mm
Material:	Enclosure: Stainless steel, IP66 with polycarbonate sides
Measuring range:	0 - 2000 ppb
Operating temperature range:	-5 - 45 °C
Parameter:	Oxygen
Power Options:	EU Power Cord
Response time:	< 15 s
Sample interval:	5 - 60 s
Sample pressure:	0 - 10 bar
Sample temperature:	-5 - 45 °C
Tube Connection:	6 mm
Units:	ppb, ppm, wt %, mg/L, O <sub>2</sub> %, mbar and more
Wall Thickness:	6 mm
Warranty:	24 months
Weight:	< 3.5 kg
What's included?:	Kit includes: instrument, external power supply, EU power plug, 3 m inlet tubing (6 mm), tools kit, user manual.

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