HACH® SERVICE

Service Data Sheet



Orbisphere 6110

Total O2/CO2 Package Analyzer

The Orbisphere 6110 boasts the latest technology in final package analysis for measurements of Total Package Oxygen, Headspace Oxygen and Dissolved Oxygen; as well as dissolved Carbon Dioxide and Headspace Volume. The Orbisphere 6110 is a complex instrument requiring regular maintenance at various intervals. Let Hach Service experts do the work for you, so you can have peace of mind that your investment is protected and is delivering the accurate measurements you need.

Benefits of Service

- Maximizes plant operation up-time and precise measurements, empowering plant management and operators to make informed, data-driven decisions for process control and operational insights.
- Regular replacement of wear components and calibration procedures to maintain optimal measurement accuracy and meet performance standards.
- Expert commissioning of instruments, tailored to specific applications, with proper system configuration and settings to align with operational needs and requirements.

Annual Average Maintenance Time: Up to 38 hours
Recommended Maintenance Frequency: 4x / year

Maintenance Tasks Performed

Routine:

- Cleaning of optical barrier window, sonotrode surface, laser optics and optical barrier windows.
- Replace Goretex filter.
- Refill antifoam cartridge.
- Replace the display protection film.
- Replace the rim detector protection.

Advanced:

- Replace and calibrate O2 sensor cartridge.
- Replace piercing tip and gasket.
- Clean antifoam cartridge.
- Purge and clean antifoam system.
- Replace flow chamber O-ring.
- Replace the blue sample tubing.
- Calibrate CO2, temperature, flow, pressure and barometric pressure sensor calibration.
- Replace needle valve.
- Replace antifoam cartridge internal membrane.
- Perform antifoam pump and piercing module maintenance.

Parts Replacement During Maintenance

Part #	Description	Qty.	Frequency
DG33518	Basic kit for intermediate maintenance for 6110	1	6 Months
DG33519	Basic kit for biannual maintenance for 6110	1	6 Months

These parts and replacement labor are included with a Hach Service Plan at the recommended frequency. Coverage is available for on-site repairs.

For more information, visit: ***www.hach.com/service***

World Headquarters: Loveland, Colorado USA | hach.com

United States **800-227-4224** fax: 970-669-2932 email: orders@hach.com
Outside United States **970-669-3050** fax: 970-461-3939 email: intl@hach.com

©Hach Company, 2026. All rights reserved.
In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

DOC063.53.38301.Oct26