

... Overview

The GLA132-LWIA is ideal for hydrological, analytical, and biological applications that involve field measurements of fresh water, seawater, and other liquids. The analyzer's ease-of-use, field portability, durability and high throughput make it the best choice for reliable, high performance measurement of freshly collected samples in the field.

ABB's patented OA-ICOS technology, a fourth-generation cavity enhanced absorption technique, has many advantages over older conventional and delicate cavity ringdown spectroscopy and direct absorption techniques. OA-ICOS analyzers are simpler, easier to operate and more rugged. As a result, ABB analyzers provide higher performance and reliability with minimal operational cost.

The GLA132-LWIA includes an internal computer that can store data practically indefinitely on its internal hard drive (for applications requiring unattended longer term operation), and send real-time data to a data logger through its analog and digital (RS-232) outputs.

Accessories

ACC-AUTOINJECT	Autoinjector w/ heated injection module Automated injection of liquid water samples Holds 162 vials. Includes startup kit.
Included	Heater and power supply
Included	Spectral Contamination Identifier software Identifies, flags and corrects for contaminants
Included	Post-Analysis software Advanced software simplifies analytical procedure to enable high precision measurements quickly

Ordering information

- OA-ICOS™ GLA132-LWIA

Specifications

Precision (1 σ):

High Throughput Mode

$\delta^2\text{H}$: 0.6 ‰

$\delta^{18}\text{O}$: 0.2 ‰

Throughput

720 injections per day (typically 90 samples)

Sample Volume

0.5 μL per injection

Salinity

<4% (Total dissolved solids < 40 parts per thousand)

Temperature/Humidity

Sample Temperature: 0 to 50 °C

Operating Temperature: 5 to 45 °C

Outputs

Digital (RS-232), Ethernet, USB

Power Requirements

60 W (10/30 VDC)

66 W (115/230 VAC, 50/60 Hz)

Dimensions (H x W x D)

18 x 47 x 36 cm (7 x 18.5 x 14 in)

Weight:

17 kg