

4000 DO Single Channel LDO Analyzer

Innovative Oxygen Monitoring with Waltron's 4000 DO Analyzer for Precision Analysis

The Waltron 4000 DO Analyzer offers precise, user-friendly monitoring of dissolved oxygen. Compatible with the Waltron 9165S Smart Sensor, it has a wide measurement range for diverse water applications. This durable device supports flexible installation and multiple output options, ensuring top-quality water analysis in any setting.



Key Features

- Single-Channel transmitter pairs seamlessly with Waltron's industry-leading 9165S Smart Sensor
- Easy to configure, capable of displaying dissolved oxygen as ppb, ppm, or %O₂
- Durable 1/2-DIN IP66 NEMA 4X enclosure can be panel, surface, or pipe-mounted
- Simple, intuitive menu, with soft-touch button controls
- Two relays and two available 4-20mA outputs
- Large, clear LCD backlit display
- Pairs with the Waltron 9165S LDO Smart Sensor for multiple ranges: 0 to 200ppb, 0-2000ppb, and 0-20ppm (sensor-defined)
- Choice of 12-30VDC or 90-265VAC versions



Get in Touch

Waltron Group Headquarters
25 Minneakoning Road, Suite 101
Flemington, NJ 08822 USA

Main: +1 908-534-5100
Fax: +1 908-534-5546
info@waltron.net

Specifications

Parameter: Dissolved Oxygen

Technology: Luminescent (Optical)

Range(s): 0-200 ppb, 0-2000 ppb, 0-20 ppm, 0-45ppm (sensor dependent)

Accuracy: ± 0.5 ppb at 1ppb or $\pm 2\%$ of displayed value (whichever is greater)

Sample Streams: 1

Response Time: $t_{90} < 30$ sec

Cycle Time: Continuous

Analog Outputs: Single current output, selectable 0-20mA or 4-20mA into 750 ohms max, fully isolated to 2kV. Expandable across the full operating range and offset anywhere in that range. Loop fault detection.

Alarms: 2 normally open, fully configurable setpoints, with volt-free contacts for each relay.

Calibration Method: Bias/Zero and Sensor Exchange

Calibration Frequency: 1-2 Years

Ambient Conditions: 0-130°F / -20-55°C

Sample Temperature: 32-158°F / 0-70°C; 265°F / 130°C high-temperature CIP version available

Sample Flow/Pressure: Max 145psig (10bar)

Mechanical

Power: Universal 90-265vAC, 10W max
LV Option 12-30vDC, 5W max

IP Rating: IP 66, NEMA 4X

Dimensions: 10 ft (3m), 16 ft (5m), or 32 ft (10m)

Weight: 2.2 kg (4.9 lbs)

Mounting: Panel, surface, or pipe-mounted versions available

Sample Connection: 1/4 (0.635cm) OD Swagelok or in-line mount

Version: Annual zero; biannual sensor spot replacement

