

DISSOLVED OXYGEN PANEL DOP-3865



The model 3865 analyzer is designed and manufactured to give you fast response, flexibility, reliability, and ease of use. Automatic ranging reads directly in parts per billion ($\mu\text{g/L}$) without any need for manual setup. The analyzer's measuring range is from 0 ppb to 20 ppm D.O.

Sample Panel Features

- » Stainless steel panel
- » ppb Dissolved oxygen sensor
- » Stainless steel flowcell
- » Double-shielded sensor cable for stable readings
- » On-line calibration
- » Magnetite grit bypass
- » Syphon-drain system

Analyzer Features

- » Measures trace-level D.O. within ± 0.1 ppb.
- » Long-term stability
- » Pre-tensioned membrane capsule for easy replacement
- » Galvanic technology provides an absolute zero D.O. reading.
- » One-button calibration makes calibration quick and simple
- » Fast 30 second response
- » Quality stainless steel
- » 115/230 VAC

Model 3865 ppb Dissolved Oxygen Analyzer with Sample Panel

Physical Data	
PROPERTY	CHARACTERISTIC
Display	Four and one half LCD digits, 2.0 cm (0.8 in) displays for dissolved oxygen, atmospheric pressure, temperature, efficiency, error codes, prompts and diagnostic information
Display Ranges	Dissolved Oxygen: 0.00 mg/L to 10.00 mg/L <i>or</i> 0.01 µg/L to 9,999 µg/L Temperature: -5.0 °C to 105 °C (23.0 °F to 221 °F) Barometric Pressure: 72 kPa to 130 kPa
Keypad	8 pushbutton entry keys
LED's	2 alarms (A and B), 1 auto, 1 error
Case Dimensions	16.0 cm (H) × 26.0 cm (W) × 9.0 cm (D) (6.3 in (H) × 10.2 in (W) × 3.5 in (D))
Panel Dimensions	36 cm (W) × 66 cm (H) / 14 in (W) × 26 in (H)
Weight	11.4 kg (25.0 lb)
Shipping Weight	13.6 kg (30.0 lb)
Shipping Dimensions	71 cm × 41 cm × 20 cm (28 in × 16 in × 8 in)

Environmental Data	
PROPERTY	CHARACTERISTIC
Temperature	Operational: 5.0 °C to 45 °C (41.0 °F to 113 °F) Storage: -10.0 °C to 55 °C (14.0 °F to 131 °F) Relative Humidity: 95 % maximum; non-condensing
Environment Ratings	Pollution Degree: 2 Installation Category: II
Electrical Ratings	115/230 VAC, 0.25 A, 50/60 Hz
Electrical Requirements	115/230 VAC B 10 %, 50 W

Model 3865 ppb Dissolved Oxygen Analyzer with Sample Panel

Operational Data	
PROPERTY	CHARACTERISTIC
Accuracy	Dissolved Oxygen: B2 % reading <i>or</i> 0.1 µg/L, whichever is greater Temperature: B0.1 °C
Precision	Dissolved Oxygen: B2 % reading <i>or</i> 2 digits Temperature: B0.1 °C
Response Time	90% within 30 s (default), function of flow and temperature
Temperature Compensation	Auto: -5.0 °C to 105 °C (23.0 °F to 221 °F) Manual: -5.0 °C to 105 °C (23.0 °F to 221 °F)
Sample Conditions	Flow: 50 mL/min to 200 mL/min Temperature: 2 °C to 45 °C (35.0 °F to 113 °F) with standard D.O. sensor Option 80 PEEK D O sensor temperatures up to 65 °C (149 °F). Pressure: < 400 kPa (60 psi, 4 bar) Drain: Atmospheric
Sample Inlet	¼ in NPT tube fitting
Sample Outlet	1 in MNPT fitting
Security	3 access-level security; partial and/or all settings may be protected via 3 and/or 4 digit security code.
Alarms	Two independent, assignable, programmable, configurable, failsafe NO/NC or auto-range BCD alarm relays; SPDT, Form C, rated 10 A 115 V/5 A 230 V, 5 position BCD contact closure.
Outputs	Two continuous, assignable, programmable 4 mA to 20 mA, or 0 mA to 20 mA outputs; isolated, max. load 600 J ; Convertible from 1 VDC to 5 VDC or 0 VDC to 5 VDC.
Communication	Via RS232 bidirectional serial data port; require IC Net ^(F) 2000 software.

Regulatory compliances



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