



## Advance Single Parameter Analyzer Dissolved Oxygen, Temp.

### Model 6308DT

Improve quality control, reduce process downtime, enhance research and development, meet regulations, all while keeping cost low.

#### The Right Features To Measure, Analyze And Control Dissolved Oxygen And Temperature

Accurate and stable readings.

5 programmable on/off relays: 4 for D.O. and 1 for temperature.

Automatic temperature compensated (ATC) D.O. readings.

User selectable salinity and pressure compensated D.O. readings.

Programmable hysteresis for customized control.

Isolated and reversible 4-20 mA current output for D.O. This output can be used as a proportional output.

RS-485 output for remote access via an IBM compatible computer. This allows multiple units to be connected, ganged, together.

#### Large, Graphical, Backlit LCD Display

Simultaneous display of: D.O., temperature, relay status and transmitter current mA output.

Clear, bright LCD with manual backlight switch for added visibility in dark working conditions.

#### Quick And Easy Setup, Intuitive Operation

Setup and calibration are done through a friendly, user-guided menu.

Convenient one point calibration in air. Calibration data is stored in memory and is ready for use on power up.

Included panel mount bracket tightly secures the analyzer.

Standard ¼ DIN size.

Standard terminal blocks for tinned leads connectors.

#### Low Maintenance

Performs self-diagnostic at power up to ensure proper operation.

Analyzer is in a complete watertight case (IP65).

Membrane keypad with tactile and audio feedback improves durability and usability.

Password protection ensures the right people have access to change settings.

## Specifications

	Range	Resolution	Accuracy
D.O. (ppm)	0.00 to 40.00 ppm	0.01 ppm	± 0.2 % of span
D.O. (air saturated)	0.0 to 500.0 %	0.1 %	± 0.2 % of span
Temp	- 10.0 to 120.0 °C	0.1 °C	± 0.1 °C

### General

#### D.O.:

Salinity Compensation	Manual 0.0 to 40.0 ppt
Pressure Compensation	Manual 640 to 1100 mBar
Temperature Compensation	Auto -10.0 to 50.0 °C

#### Temperature:

Temperature Sensor	Thermistor, 10.00 k ohm at 25 °C
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#### 4-20 mA Analog Output:

Current Output Range	4 to 20 mA (isolated), programmable span
Current Output Scale	User programmable, linear or log
Maximum Load	500 ohm
Accuracy	± 0.02 mA
Isolation Voltage	500 V DC

#### Relays:

Control Type	5 ON/OFF controls
Relay Output	5 A at 115 V AC or 2.5 A at 220 VAC, resistive load only

#### Other:

Power Supply	115 V AC or 230 V AC at 50/60 HZ
Security	4-digit password
Audio Feedback	All Touch Keys
Communication	RS-485
Fuse	0.315 A / 250 V AC at 50/60 Hz
Display	128 x 64 graphical LCD with backlight
Ambient Temp. Range	0 to 50 °C
Case	IP65, 1/4 DIN case, 148 mm depth
Weight	950 g

## Accessories

General purpose or custom electrodes

NEMA 4 enclosures

