

6308DT INDUSTRIAL DISSOLVED OXYGEN TRANSMITTER



- Simultaneous Dissolved Oxygen Measurement And Analysis
- Reversible & Isolated 4 To 20mA Output With Adjustable Bandwidth
- Continuous Controller / Relays Operation During Calibration
- 1/4 DIN Watertight, IP65 Rated Enclosure
- 4-Digit Password Security Protection
- Power Down, Non-Volatile Memory Backup

Description

The 6308DT, Industrial Dissolved Oxygen Transmitter, is a rugged microprocessor based instrument assembled in a watertight, IP65, 1/4 DIN panel mount case. The DO transmitters were designed to provide accurate and stable readings for use in laboratories and process control applications.

The industrial dissolved oxygen transmitter's microprocessor allows the user to easily recalibrate the parameters for the DO probes. The Industrial Dissolved Oxygen Transmitter's microprocessor also performs a self-diagnostic routine every time you turn on the unit providing you with basic information about the stability of the DO transmitter.

Setup and calibration functions are done using the Industrial Dissolved Oxygen Transmitter's friendly user guided menu. All Dissolved oxygen transmitters have a membrane keypad with tactile and audio feedback to improve durability and usability. The Industrial DO transmitters simultaneously display DO, Temperature, Relay status and current output on one LCD graphic screen. The dissolved oxygen transmitter uses a "polygraphic clark" membrane for the DO and a precise thermistor for temperature, providing you with accurate readings for all your measurements.

The Industrial Dissolved Oxygen Transmitter is equipped with 5 programmable relays (2 active Low and 2 active High relays for DO and one programmable high or low relay for temperature). The Industrial DO Transmitters also have an isolated and reversible 4-20mA analog output, which can be used as a proportional output.

The Industrial Dissolved Oxygen Transmitter comes with a RS485 interface, which can easily let the user log all data with an IBM® PC/AT compatible computer. All dissolved oxygen transmitter connections are done via standard terminal blocks for tinned leads.

Specifications

DO (ppm): Range 0.00-40.00, Resolution 0.01, Accuracy $\pm 0.2\%$ of span
 DO (air saturated): Rng 0.0-500.0 %, Res 0.1 %, Acc $\pm 0.2\%$ of span
 Temp: Rng -10.0 to 120.0 °C, Res 0.1 °C, Acc $\pm 0.1\%$ °C

DO:

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

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

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

Options and Accessories

6308DT Industrial Dissolved Oxygen Transmitter
 (Dissolved oxygen transmitter sensor not included)

LD-900-6-O-DO Dissolved Oxygen Transmitter Sensor SS
 (SS body, 3/4 NPT Mounting on Front, 10' Water Proof Cable. Note: does not include DO membrane, see www.globalw.com.)

ID-900-5-DO Dissolved Oxygen Transmitter Sensor Epoxy
 (Epoxy body, 3/4 NPT Mounting on Front, 10' Cable) Note: does not include DO membrane, see www.globalw.com.)

LD-900-3-DO DO Transmitter Sensor Membrane Kit
 6 Caps, DO KCL Powder, sandpaper

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