

RDO[®] PRO *Optical Dissolved Oxygen Sensor for Process Applications*

The In-Situ[™] RDO[®] PRO sensor uses the latest technology to measure dissolved oxygen (DO) in demanding environments. The In-Situ RDO PRO optical DO sensor offers several advantages for monitoring DO in process applications:

Robust

- Inert construction will not corrode in high salinity samples.
- Insensitive to common interferences such as hydrogen sulfide, chloride, chlorine, ammonium, and many others.

Simple

- Requires only 8 to 36 VDC power—No costly external transmitters or controllers needed.
- Easy sensor configuration—Calibration coefficients are loaded into the sensor cap.

Cost effective

- Includes complete instrument with a standard 10 m cable.
- Includes integral 4-20 mA, Modbus (RS485), and SDI-12 signal outputs.
- Eliminates the need for a separate, costly transmitter/controller.

Accurate

- 0.1 mg/L accuracy from 0 to 8 mg/L DO, and 0.2 mg/L accuracy from 8 to 20 mg/L DO.
- Fast response to oxygen and temperature changes.
- Consistent, reproducible results (< 0.05 mg/L reproducibility).

Applications

- *Municipal water and wastewater treatment*
- *Industrial water and wastewater*
- *Aquaculture*
- *Food/beverage process control*
- *Dam discharge monitoring*