

NOW WITH DISPOSABLE CARTRIDGE



RWT O95A

Fluorescence Dissolved Oxygen Sensor

The RWT O95A is the latest development in Dissolved Oxygen technology, where engineers prefer fluorescent dissolved oxygen measurement. We have redesigned a fluorescent Sensor to be compatible with existing Royce Water Technologies assemblies and mounting systems.

The RWT O95A is a SMART optical dissolved oxygen (DO) sensor for use in water and wastewater applications. Combines high reliability with low maintenance. Standard 12 x 120 mm design.

Features

- ◆ Compatible with Royce Jet Head
- ◆ Can be calibrated at zero DO
- ◆ 12 month warranty
- ◆ Automatic temperature compensation
- ◆ Easily refurbished in the field
- ◆ No special tools required
- ◆ No Electrolyte requirement
- ◆ No Flow requirement
- ◆ No oxygen consumption
- ◆ Plug-and-Play with SMART calibration
- ◆ Retains calibration history
- ◆ Retains user metadata for tracking

Technical specifications

Operating Range	0 – 300% SAT (0 – 30 PPM) 5°– 50° C 0 – 5 bar
Accuracy	Within 1% full range (%SAT or PPM)
Digital Output	Process Variable: 0 – 300 % SAT (0 – 30 PPM) Temperature Compensated Phase Angle: Range 10°–100° PA Operational Temp: 5°– 50° C Amplitude (diagnostic for Sensing Surface Health)
Response Time	T98 < 15 seconds @37° C; N2 to AIR T98 < 15 seconds @37° C; AIR to N2
Wetted Materials	Sensor Body and Cap: Anodized Aluminium O-rings: EPDM Sensing Surface: PES and Silicone Rubber
Termination	Fixed cable standard 10M length
Power Supply	5.0 VDC supplied by Power Module or Transmitter
Design Features	Easily Replaced Optical Cap Rugged PCV Coated Cable w/ Ferrules

Note: Temperature, pressure and solution composition will influence the life expectancy of the measurement sensor.



This sensor can be used with MXD73/75 Analyser on page 6 and BXD17 Analyser on page 10