



OxyTechw² RDO Pro-X

Dissolved Oxygen Sensor

PRODUCT DATASHEET

APPLICATIONS

Activated Sludge Control
Drinking Water Processing
Reservoir Water Quality
River Monitoring

MEASUREMENT PRINCIPAL

Luminescent Optical Technology

FEATURES

No Drift - no calibration required
24 month cap life
Fast response

BENEFITS

Automated Aeration Control
Low Cost of Ownership

COMPATIBLE MONITOR

7300w² Monitor

MOUNTING OPTIONS

Flexible Joint for Self Cleaning

ALTERNATIVE SENSORS

OxyTechw² GAL

PRODUCT WARRANTY

Probe - 36 months
Cap - 24 months



The OxyTechw² RDO Pro-X Sensor uses the latest optical technology for measuring dissolved oxygen (DO) in demanding wastewater, drinking water, industrial effluent and surface water environments.

The need for manual cleaning of the sensor is kept to a minimum through use of Partech's Flextech mounting system which places the sensor below the surface of the tank, away from the floating fats and greases whilst keeping the sensor face moving also stopping the build up of biofilm.

The sensor is part of our WaterWatch² family and works with our 7300w² Monitor. It can be combined with our TurbiTechw² LA sensor to provide an extrem cost package for controlling activated sludge plants.

Call us on + 44(0) 1726 879800 www.partech.co.uk



OxyTechw² RDO Pro-X

Dissolved Oxygen Sensor

PRODUCT SPECIFICATION



Physical

Dimensions
Weight
Protection Class
Enclosure Material

203 x 47 mm (H x diameter)
0.8 kg
IP68

Cable Entries
Cable Length

Body - ABS, Titanium Temperature Probe with Polyurethane coated cable
Cap - ABS, Polycarbonate/Polymethyl/Methylacrylate
Integral Cable Gland Black Acetal, 316 Stainless Steel
10 metres standard, 100 metres maximum

Interface to Monitor

Power Supply
Sensor Output

12VDC from Monitor
ModTechw², RS485

Environmental Data

Operating/Storage Temperature
Pressure Rating
Flow

0 - 50°C
210mWC
No Flow Necessary

Measurement

Principal of Operation
Light Source
Accuracy

Blue/Red Luminescence Quenching
Blue LED
±0.1 mg/l on 0-8 mg/l range
±0.2 mg/l on 8-20 mg/l range
±10% ready 20 to 50 mg/l
0.01 mg/l
see 7300w² Monitor
T90 <45 seconds, T95 <60 seconds @ 25°C
1 cm/second
mg/l, ppm, %Sat
0-50 mg/l (ppm)
0-200 %Sat
Thermistor
± 0.1°C
0.01°C

Resolution
Display Resolution
Response Time
Flowrate
Units
Range

Temperature Measurement
Temperature Accuracy
Temperature Resolution

Mounting

Installation
Mounting Shaft
Handrail Attachment

Dip
1, 2 or 3 metres
See Document 223980DS, I32581DS, I32572DS

Order Codes

Part No Description

- 226770 OxyTechw² RDO Pro-X sensor 10 metres
- 226665 FlexTech Shaft Assembly with Flexible Coupling
- 226661 FlexTech Shaft Assembly
- 223980 FlexTechw Sensor Bracket
- 224567 Extension Bracket
- 226668 OxyTechw² RDO Pro-X Sensor Replacement Cap

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The company reserves the right to alter the specification without prior notice. E&OE

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