

The background of the entire image is a close-up, high-angle shot of water with a teal or cyan tint. The water surface is covered in intricate, concentric ripples and small waves, creating a textured, shimmering effect. The lighting is soft, highlighting the peaks of the ripples and casting gentle shadows in the troughs.

OPRUSS

[www.opruss.com](http://www.opruss.com)

# OPRUSS

AUTOMATICA

## Dissolved Oxygen (DO)



The OPM Dissolved Oxygen Probe uses optical technology (EPA-approved RDO technology for Clean Water Act programs) to measure dissolved oxygen and temperature, applicable for various monitoring purposes. The DO sensor helps in monitoring Oxygen concentration in influent, effluent and treatment processes, responding quickly to oxygen and temperature changes for more accurate results.

### Dissolved Oxygen Probe Benefits:

**Easy setup and monitoring** - Flexible communication protocols connect to Your existing OPRUSS OPM controllers.

**Accurate, Reliable data** - Maximum Accuracy (up to  $\pm 0.1$  mg/L) Resists abrasion and photobleaching, with automated calibration that prevents long-term drift.

**Easy maintenance** - Smart sensor cap stores vital information and alerts you when it's time to replace.

**24/7 data access** - View and filter data easily using the OPM Controller module and ECOLYSER OS

<b>Principle</b>	<b>EPA Approved UV Fluorescence method</b>
<b>Measuring range</b>	<b>0~20mg/L</b>
<b>Response time</b>	<b>10 sec</b>
<b>Accuracy</b>	<b><math>\pm 5\%</math></b>
<b>Assembly</b>	<b>Submersible</b>
<b>Operation Temperature</b>	<b>0-50°C</b>
<b>Interface Output</b>	<b>Interface RS485 Two way Communication Enable</b>
<b>Protection Level</b>	<b>IP68</b>
<b>Maximum working depth</b>	<b>20 m</b>
<b>Power supply</b>	<b>AC 230V, for controller</b>
<b>Size</b>	<b>26 Diameter 177.5 Length (in mm)</b>
<b>Probe cable length</b>	<b>5 m, extendable</b>
<b>Interference resistance</b>	<b>Temperature compensation available</b>
<b>Maximum working pressure</b>	<b>6bar</b>
<b>Product material</b>	<b>SS316 POM</b>
<b>Sensor Diagnostics</b>	<b>Onboard library for diagnostic commands available</b>

## KEY FEATURES FOR OPM SERIES SENSORS



Accurate and high resolution Realtime measurements



Easy integration – Plug to Run design



Integrated digital display for Realtime Monitoring and Data logging for advanced analytics



Remarkably Low Maintenance operation.  
Built-in Sensor Diagnostics for smart access over sensor performance details via Two Way communication



Reliable and Robust operation to changing process conditions



Built-in Self-cleaning Mechanism



User Friendly Calibration

BOD

$C_3H_6O$

COD

TOC

Cr

As

TDS

pH

OH

$CH_2O$

Cy

$NH_3$

$C_2H_4O$

$C_3H_8O$

$CH_3CO$

ORP



## DDT SMART CONTROLLER

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Final product may vary with depicted images subjected to origin of requirement to adapt working conditions of the specific location of end user.