

The background of the entire image is a close-up, high-angle shot of teal-colored water with intricate, concentric ripples and small waves, creating a textured, shimmering effect. The color is a vibrant, slightly dark teal. Centered in the middle of the image is the word "OPRUSS" in a white, stylized, sans-serif font. The letters are bold and have a modern, geometric feel, with some characters like 'O', 'R', and 'S' having unique shapes. The text is set against the darker, more uniform part of the water background.

OPRUSS

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OPRUSS

AUTOMATICA

OPM DISSOLVED AMMONIA

Ammonia, a highly soluble gas in water is a challenge to determine. A naturally occurring toxic element for all living species also is highly corrosive in nature. The presence of ammonia is heavily dependent on its pH value. In the acidic range, there is a predominance of ammonium (NH₄⁺) ions that are not detected by the sensor.

OPM DISSOLVED AMMONIA is precisely designed and manufactured following ASTM Method D1426-08 (B) to measure dissolved Ammonia in sample accurately.

Sensor measurement method	Ion selective electrode
Measuring range	1-100 configurable up to 10,000mg/l
Accuracy	±2% of Full scale
Repeatability	±2%
Resolution	0.01 mg/l
Response time	T90 <45 sec
Error compensation	Automatically built in feature
Optimal pH working range	2.5-11pH
Operating temperature	0° to 50° C (32° to 122° F)
Protection grade	IP68
Communication output	RS485 Two way communication enabled
Material of construction	SS316L, POM
Communication mode	Sensor operates on two way communication Direct data transfer protocol
Sensor diagnostic details	Diagnostic data output for raw value, calibration drift coefficient, environment error compensation algorithm, sensor performance factors can be attained by OPM Smart controller.



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

CH_2O

OH

Cy

NH_3

C_2H_4O

C_3H_8O

ORP

CH_3CO

Marketed By

PT
ECOLOGICAL
SERVICES PVT. LTD



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.