

# Global Fiber Optic Dissolved Oxygen Probe Market Growth 2026-2032

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## Abstracts

The global Fiber Optic Dissolved Oxygen Probe market size is predicted to grow from US\$ 52.83 million in 2025 to US\$ 122 million in 2032; it is expected to grow at a CAGR of 13.0% from 2026 to 2032.

Fiber Optic Dissolved Oxygen Probes are water quality sensors based on the principle of optical fluorescence quenching. They transmit excitation light to a sensing membrane via optical fiber and collect the attenuation or phase change of the fluorescence signal caused by dissolved oxygen, thus achieving accurate measurement of dissolved oxygen concentration in water. These detectors do not consume oxygen, require no electrolyte or oxygen-permeable membrane, and feature fast response, low maintenance, and high long-term stability. They are suitable for applications requiring continuous and reliable dissolved oxygen data, such as water environment monitoring, water treatment process control, aquaculture, and scientific research. Sales in 2025 reached 156,000 units, with an average price of \$305 per unit. Total production capacity was 200,000 units, with a gross profit margin of 42%.

United States market for Fiber Optic Dissolved Oxygen Probe is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Fiber Optic Dissolved Oxygen Probe is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Fiber Optic Dissolved Oxygen Probe is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Fiber Optic Dissolved Oxygen Probe players cover PreSens Precision Sensing, Ocean Insight, PyroScience GmbH, Loligo® Systems, Optical Sensors Division, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Fiber Optic Dissolved Oxygen Probe Industry Forecast” looks at past sales and reviews total world Fiber Optic Dissolved Oxygen Probe sales in 2025, providing a comprehensive analysis by region and market sector of projected Fiber Optic Dissolved Oxygen Probe sales for 2026 through 2032. With Fiber Optic Dissolved Oxygen Probe sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Fiber Optic Dissolved Oxygen Probe industry.

This Insight Report provides a comprehensive analysis of the global Fiber Optic Dissolved Oxygen Probe landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fiber Optic Dissolved Oxygen Probe portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Fiber Optic Dissolved Oxygen Probe market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Fiber Optic Dissolved Oxygen Probe and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fiber Optic Dissolved Oxygen Probe.

This report presents a comprehensive overview, market shares, and growth opportunities of Fiber Optic Dissolved Oxygen Probe market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Fluorescence Quenching

Phosphorescence Quenching

### Segmentation by Measuring Medium:

Gas Oxygen Sensor

Liquid Oxygen Sensor

### Segmentation by Structure & Packaging:

Integrated Fiber-optic DO Probe

Remote Fiber-optic DO Probe

### Segmentation by Application:

Water Environment and Aquatic Products

Industry and Manufacturing

Environment and Energy

Others

### This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

PreSens Precision Sensing

Ocean Insight

PyroScience GmbH

Loligo® Systems

Optical Sensors Division

ALICAT Scientific

Barben Analytical

World Precision Instruments

IDIL Fibres Optiques

TecSense GmbH

Zealquest Scientific Technology Co., Ltd.

PreSens

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Fiber Optic Dissolved Oxygen Probe market?

What factors are driving Fiber Optic Dissolved Oxygen Probe market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Fiber Optic Dissolved Oxygen Probe market opportunities vary by end market size?

How does Fiber Optic Dissolved Oxygen Probe break out by Type, by Application?

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