

# India Single-use Bioprocessing Probes And Sensors Market Size, Share & Trends Analysis Report By Type (pH Sensors, Oxygen Sensors), By Workflow (Upstream, Downstream), By End-use, And Segment Forecasts, 2024 - 2030

<https://marketpublishers.com/r/IC412490B38DEN.html>

Date: July 2024

Pages: 90

Price: US\$ 5,950.00 (Single User License)

ID: IC412490B38DEN

## Abstracts

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### India Single-use Bioprocessing Probes And Sensors Market Growth & Trends

The India single-use bioprocessing probes and sensors market is anticipated to reach USD 191.0 million by 2030 and is anticipated to grow at a CAGR of 12.61% during the forecast period from 2024 to 2030, according to a new report by Grand View Research, Inc. The increasing demand for biopharmaceuticals and the growing popularity of disposable systems in preclinical trials are key factors driving the growth of the single-use bioprocessing probes and sensors market in India. The need for faster and more efficient drug development processes and the rising demand for personalized medicines contribute to the increased implementation of single-use bioprocessing systems.

The implementation of single-use technology (SUT) in biomanufacturing processes offers advantages such as reduced risk of cross-contamination and ensuring product purity and integrity, which is crucial for the growing domestic biosimilars and biologics market. It enhances operational efficiency, leading to shorter turnaround times and increased productivity - a key benefit for Indian manufacturers to scale and meet the rising domestic and global demand for biopharmaceuticals.

Furthermore, the commercial advantages of single-use sensors, such as streamlined

operations, enhanced flexibility, and improved regulatory compliance and product quality, make them an attractive option for Indian biomanufacturers. The adoption of these technologies can help Indian companies lower their capital expenditure and achieve faster turnaround times.

## India Single-use Bioprocessing Probes And Sensors Market Report Highlights

The pH sensors type segment held the largest revenue share of 20.24% in 2023 and is expected to grow at the fastest CAGR over the forecast period. The growing demand for precise process monitoring, driven by the expanding biopharmaceutical industry, drives the adoption of single-use pH sensors. The oxygen sensors segment is expected to register a significant CAGR over the forecast period.

The upstream segment dominated the segment with a market share of 73.49% in 2023 and is anticipated to grow at the fastest CAGR over the forecast period. It is driven by the increasing demand for biopharmaceuticals and the need for efficient and cost-effective manufacturing processes.

The biopharmaceutical & pharmaceutical companies dominated the segment with a market share of 41.69% in 2023. The consistent introduction of new and innovative single-use bioprocessing probes and sensors is a key driver behind the growth of this market segment.

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