Capnography Equipment Market by Product (Multiparameter, Standalone, Software, Accessories), Technology (Mainstream, Sidestream, Microstream), Application (Cardiac Care, Respiratory Monitoring), End User (Hospitals, ASC), Region - Global Forecast to 2030

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Report description:

The global capnography equipment market is projected to reach USD 0.67 billion by 2030 from USD 0.53 billion in 2025, at a CAGR of 4.6% during the forecast period.

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The capnography equipment market is experiencing significant growth, driven by the increasing prevalence of respiratory conditions such as COPD, asthma, and sleep apnea, along with a rising number of surgeries that require continuous patient monitoring. There is heightened awareness of the importance of early detection of respiratory issues, advancements in sensor technology and portable monitoring devices, and a broader application of capnography in critical care and emergency settings, all of which are further boosting demand.
Additionally, the growing use of capnography for procedural sedation, the shift toward noninvasive monitoring methods, and government initiatives that support patient safety standards in hospitals and outpatient care centers are key factors contributing to market expansion.
"By product, the capnography accessories & disposables segment accounted for the largest market share in 2024."
Capnography accessories & disposables represent the largest segment of the capnography equipment market, primarily due to their crucial role in ensuring accurate and reliable CO? monitoring in various clinical settings. This category includes nasal and oral CO? cannulas, airway adapters, sampling lines, and filters, all of which are essential for both mainstream and sidestream

capnography systems. The high consumption rate, the need for single-patient usage to prevent cross-contamination, and frequent replacement requirements significantly drive market demand. Moreover, the increasing number of surgical procedures, a growing emphasis on patient safety during anesthesia and sedation, and the widespread adoption of capnography in critical care and emergency departments further reinforce the dominance of accessories and disposables in the overall market.

"By application, the cardiac care segment accounted for the largest market share in 2024."

The cardiac care segment represents the largest share of the capnography equipment market by application. This is primarily due to the critical need for continuous monitoring of respiratory function in patients with cardiovascular conditions. Capnography is widely used during cardiac surgeries, in intensive care units, and for patients undergoing procedures that require anesthesia or sedation. It provides real-time insights into ventilation, perfusion, and overall patient stability. Several factors contribute to the strong demand for capnography in cardiac care settings. These include the increasing prevalence of cardiovascular diseases, the growing number of cardiac procedures, and a heightened focus on patient safety and the early detection of respiratory issues. As a result, cardiac care has become the leading application segment in the capnography market.

"The US is expected to grow at the highest CAGR during the forecast period."

The US is projected to experience the highest CAGR in the North American capnography equipment market due to several key factors. The country has a well-established healthcare infrastructure that supports the widespread adoption of advanced patient monitoring technologies in hospitals, ambulatory surgical centers, and critical care units. The increasing prevalence of respiratory and cardiovascular disorders, along with a rising number of surgical procedures requiring anesthesia and sedation, drives the demand for accurate and continuous monitoring of carbon dioxide (CO?) levels. Additionally, supportive government initiatives, stringent patient safety regulations, and significant investments in healthcare technology innovation are contributing to market growth. The presence of major capnography equipment manufacturers, complemented by robust distribution networks and ongoing product development, further establishes the US as the fastest-growing market in the region.

A summary of the key participants (supply side) in the capnography equipment market referenced in this report is provided below:

-By Company Type: Tier 1 (35%), Tier 2 (40%), and Tier 3 (25%)

-By Designation: C-level Executives (45%), Director-level Executives (35%), and Others (20%)

-By Region: North America (27%), Europe (25%), Asia Pacific (30%), Latin America (8%), and the Middle East & Africa (10%)

The prominent players in the capnography equipment market are Medtronic (Ireland), Koninklijke Philips N.V. (Netherlands), Masimo (US), GE Healthcare (US), Becton, Dickinson and Company (US), Dragerwerk AG & Co. KGaA (Germany), Nihon Kohden Corporation (Japan), ICU Medical, Inc. (US), Shenzhen Mindray Bio-Medical Electronics Co., Ltd. (China), ZOLL Medical Corporation (US), EDAN Instruments, Inc. (China), Hamilton Medical (Switzerland), Nonin (US), SCHILLER (Switzerland), and ResMed Inc. (US).

Research Coverage:

The report analyzes the capnography equipment market and estimates its size and future growth potential based on various segments such as product, application, end user, and region. It also includes a competitive analysis of the key players in this market, along with their company profiles, service offerings, recent developments, and key market strategies.

Reasons to Buy the Report

The report will help market leaders and new entrants in this market with information on the closest approximations of the revenue numbers for the overall capnography equipment market. It will also help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

This report provides insights into the following pointers:

-Analysis of key drivers (increasing prevalence of respiratory diseases, clinical benefits of capnography over pulse oximetry, rising number of surgeries and target diseases requiring CO2 monitoring, and technological advancements), restraints (complex regulatory framework for approval of capnography equipment and high equipment and maintenance costs), opportunities (increased availability of clinical research evidence, growth opportunities for healthcare industry in emerging economies, and AI and data analytics integration), and challenges (lack of skilled technicians & specialized training to operate capnometers).

-Market Penetration: It provides detailed information about the products offered by the major players in the global capnography equipment market. The report is segmented by product, application, end user, and region.

-Product Enhancement/Innovation: Comprehensive details about new product launches and anticipated trends in the global capnography equipment market.
-Market Development: Comprehensive understanding and analysis of profitable emerging markets by product, technology, application, end user, and region.
-Market Diversification: Detailed information on newly launched products, market expansion, current advancements, and investments in the global capnography equipment market.
-Competitive Assessment: Comprehensive assessment of market shares, growth strategies, product offerings, and capabilities of major competitors in the global capnography equipment market.

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Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	

Zip Code*		Country*	
		Date	2026-03-16
		Signature	