

# Global Transcutaneous Carbon Dioxide Monitor Market Research Report 2025(Status and Outlook)

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## Abstracts

Transcutaneous oxygen and carbon dioxide measurement system is a medical device used to continuously monitor oxygenation and carbon dioxide levels on the human skin surface. By placing sensors on the skin surface and using specific optical or electrochemical techniques, it can obtain dynamic changes in tissue oxygenation and carbon dioxide in real time and non-invasively, providing clinicians with important physiological parameters. It is widely used in intensive care, neonatal monitoring, surgical monitoring, and the management of patients with chronic respiratory diseases and cardiovascular diseases. At the same time, it can also be used in home medicine and telemedicine to find potential pathological changes and adjust treatment plans in time.

The global Transcutaneous Carbon Dioxide Monitor market size was estimated at USD 181.6 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 4.70% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Transcutaneous Carbon Dioxide Monitor market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Transcutaneous Carbon Dioxide Monitor market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Transcutaneous Carbon Dioxide Monitor market.

## **Global Transcutaneous Carbon Dioxide Monitor Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

Sentec  
Philips  
Perimed AB  
Medicap  
Radiometer Medical ApS  
Shinsei Electronics Corporation?  
Qiumanshi Medical Technology  
Radiometer Medical Equipment  
Laike Biotechnology

## **Market Segmentation (by Type)**

Optical Method Measurement  
Electrochemical Method Measurement

## **Market Segmentation (by Application)**

Hospital  
Ambulatory Surgery Center  
Others

## **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

## **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Transcutaneous Carbon Dioxide Monitor Market

Overview of the regional outlook of the Transcutaneous Carbon Dioxide Monitor Market:

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## **Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Transcutaneous Carbon Dioxide Monitor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Transcutaneous Carbon Dioxide Monitor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Transcutaneous Carbon Dioxide Monitor
- 1.2 Key Market Segments
  - 1.2.1 Transcutaneous Carbon Dioxide Monitor Segment by Type
  - 1.2.2 Transcutaneous Carbon Dioxide Monitor Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD) Estimates and Forecasts (2020-2033)
  - 2.1.2 Global Transcutaneous Carbon Dioxide Monitor Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Transcutaneous Carbon Dioxide Monitor Product Life Cycle
- 3.3 Global Transcutaneous Carbon Dioxide Monitor Sales by Manufacturers (2020-2025)
- 3.4 Global Transcutaneous Carbon Dioxide Monitor Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Transcutaneous Carbon Dioxide Monitor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Transcutaneous Carbon Dioxide Monitor Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

- 3.8 Transcutaneous Carbon Dioxide Monitor Market Competitive Situation and Trends
  - 3.8.1 Transcutaneous Carbon Dioxide Monitor Market Concentration Rate
  - 3.8.2 Global 5 and 10 Largest Transcutaneous Carbon Dioxide Monitor Players Market Share by Revenue
  - 3.8.3 Mergers & Acquisitions, Expansion

## **4 TRANSCUTANEOUS CARBON DIOXIDE MONITOR INDUSTRY CHAIN ANALYSIS**

- 4.1 Transcutaneous Carbon Dioxide Monitor Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
  - 5.4.1 New Product Developments
  - 5.4.2 Mergers & Acquisitions
  - 5.4.3 Expansions
  - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
  - 5.5.1 Industry Policies Analysis
  - 5.5.2 Economic Environment Analysis
  - 5.5.3 Social Environment Analysis
  - 5.5.4 Technological Environment Analysis
- 5.6 Global Transcutaneous Carbon Dioxide Monitor Market Porter's Five Forces Analysis
  - 5.6.1 Global Trade Frictions
  - 5.6.2 U.S. Tariff Policy ? April 2025
  - 5.6.3 Global Trade Frictions and Their Impacts to Transcutaneous Carbon Dioxide Monitor Market
- 5.7 ESG Ratings of Leading Companies

## **6 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Type (2020-2025)
- 6.3 Global Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Type (2020-2025)
- 6.4 Global Transcutaneous Carbon Dioxide Monitor Price by Type (2020-2025)

## **7 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Transcutaneous Carbon Dioxide Monitor Market Sales by Application (2020-2025)
- 7.3 Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD) by Application (2020-2025)
- 7.4 Global Transcutaneous Carbon Dioxide Monitor Sales Growth Rate by Application (2020-2025)

## **8 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET SALES BY REGION**

- 8.1 Global Transcutaneous Carbon Dioxide Monitor Sales by Region
  - 8.1.1 Global Transcutaneous Carbon Dioxide Monitor Sales by Region
  - 8.1.2 Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Region
- 8.2 Global Transcutaneous Carbon Dioxide Monitor Market Size by Region
  - 8.2.1 Global Transcutaneous Carbon Dioxide Monitor Market Size by Region
  - 8.2.2 Global Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Region
- 8.3 North America
  - 8.3.1 North America Transcutaneous Carbon Dioxide Monitor Sales by Country
  - 8.3.2 North America Transcutaneous Carbon Dioxide Monitor Market Size by Country
  - 8.3.3 U.S. Market Overview
  - 8.3.4 Canada Market Overview
  - 8.3.5 Mexico Market Overview
- 8.4 Europe
  - 8.4.1 Europe Transcutaneous Carbon Dioxide Monitor Sales by Country
  - 8.4.2 Europe Transcutaneous Carbon Dioxide Monitor Market Size by Country
  - 8.4.3 Germany Market Overview
  - 8.4.4 France Market Overview

- 8.4.5 U.K. Market Overview
- 8.4.6 Italy Market Overview
- 8.4.7 Spain Market Overview

#### 8.5 Asia Pacific

- 8.5.1 Asia Pacific Transcutaneous Carbon Dioxide Monitor Sales by Region
- 8.5.2 Asia Pacific Transcutaneous Carbon Dioxide Monitor Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview

#### 8.6 South America

- 8.6.1 South America Transcutaneous Carbon Dioxide Monitor Sales by Country
- 8.6.2 South America Transcutaneous Carbon Dioxide Monitor Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview

#### 8.7 Middle East and Africa

- 8.7.1 Middle East and Africa Transcutaneous Carbon Dioxide Monitor Sales by Region
- 8.7.2 Middle East and Africa Transcutaneous Carbon Dioxide Monitor Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

## **9 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET PRODUCTION BY REGION**

9.1 Global Production of Transcutaneous Carbon Dioxide Monitor by Region(2020-2025)

9.2 Global Transcutaneous Carbon Dioxide Monitor Revenue Market Share by Region (2020-2025)

9.3 Global Transcutaneous Carbon Dioxide Monitor Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Transcutaneous Carbon Dioxide Monitor Production

9.4.1 North America Transcutaneous Carbon Dioxide Monitor Production Growth Rate (2020-2025)

9.4.2 North America Transcutaneous Carbon Dioxide Monitor Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Transcutaneous Carbon Dioxide Monitor Production

9.5.1 Europe Transcutaneous Carbon Dioxide Monitor Production Growth Rate (2020-2025)

9.5.2 Europe Transcutaneous Carbon Dioxide Monitor Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Transcutaneous Carbon Dioxide Monitor Production (2020-2025)

9.6.1 Japan Transcutaneous Carbon Dioxide Monitor Production Growth Rate (2020-2025)

9.6.2 Japan Transcutaneous Carbon Dioxide Monitor Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Transcutaneous Carbon Dioxide Monitor Production (2020-2025)

9.7.1 China Transcutaneous Carbon Dioxide Monitor Production Growth Rate (2020-2025)

9.7.2 China Transcutaneous Carbon Dioxide Monitor Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

10.1 Sentec

10.1.1 Sentec Basic Information

10.1.2 Sentec Transcutaneous Carbon Dioxide Monitor Product Overview

10.1.3 Sentec Transcutaneous Carbon Dioxide Monitor Product Market Performance

10.1.4 Sentec Business Overview

10.1.5 Sentec SWOT Analysis

10.1.6 Sentec Recent Developments

10.2 Philips

10.2.1 Philips Basic Information

10.2.2 Philips Transcutaneous Carbon Dioxide Monitor Product Overview

10.2.3 Philips Transcutaneous Carbon Dioxide Monitor Product Market Performance

10.2.4 Philips Business Overview

10.2.5 Philips SWOT Analysis

10.2.6 Philips Recent Developments

10.3 Perimed AB

10.3.1 Perimed AB Basic Information

10.3.2 Perimed AB Transcutaneous Carbon Dioxide Monitor Product Overview

10.3.3 Perimed AB Transcutaneous Carbon Dioxide Monitor Product Market Performance

- 10.3.4 Perimed AB Business Overview
- 10.3.5 Perimed AB SWOT Analysis
- 10.3.6 Perimed AB Recent Developments
- 10.4 Medicap
  - 10.4.1 Medicap Basic Information
  - 10.4.2 Medicap Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.4.3 Medicap Transcutaneous Carbon Dioxide Monitor Product Market Performance
  - 10.4.4 Medicap Business Overview
  - 10.4.5 Medicap Recent Developments
- 10.5 Radiometer Medical ApS
  - 10.5.1 Radiometer Medical ApS Basic Information
  - 10.5.2 Radiometer Medical ApS Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.5.3 Radiometer Medical ApS Transcutaneous Carbon Dioxide Monitor Product Market Performance
  - 10.5.4 Radiometer Medical ApS Business Overview
  - 10.5.5 Radiometer Medical ApS Recent Developments
- 10.6 Shinsei Electronics Corporation?
  - 10.6.1 Shinsei Electronics Corporation? Basic Information
  - 10.6.2 Shinsei Electronics Corporation? Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.6.3 Shinsei Electronics Corporation? Transcutaneous Carbon Dioxide Monitor Product Market Performance
  - 10.6.4 Shinsei Electronics Corporation? Business Overview
  - 10.6.5 Shinsei Electronics Corporation? Recent Developments
- 10.7 Qiumanshi Medical Technology
  - 10.7.1 Qiumanshi Medical Technology Basic Information
  - 10.7.2 Qiumanshi Medical Technology Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.7.3 Qiumanshi Medical Technology Transcutaneous Carbon Dioxide Monitor Product Market Performance
  - 10.7.4 Qiumanshi Medical Technology Business Overview
  - 10.7.5 Qiumanshi Medical Technology Recent Developments
- 10.8 Radiometer Medical Equipment
  - 10.8.1 Radiometer Medical Equipment Basic Information
  - 10.8.2 Radiometer Medical Equipment Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.8.3 Radiometer Medical Equipment Transcutaneous Carbon Dioxide Monitor Product Market Performance

- 10.8.4 Radiometer Medical Equipment Business Overview
- 10.8.5 Radiometer Medical Equipment Recent Developments
- 10.9 Laike Biotechnology
  - 10.9.1 Laike Biotechnology Basic Information
  - 10.9.2 Laike Biotechnology Transcutaneous Carbon Dioxide Monitor Product Overview
  - 10.9.3 Laike Biotechnology Transcutaneous Carbon Dioxide Monitor Product Market Performance
  - 10.9.4 Laike Biotechnology Business Overview
  - 10.9.5 Laike Biotechnology Recent Developments

## **11 TRANSCUTANEOUS CARBON DIOXIDE MONITOR MARKET FORECAST BY REGION**

- 11.1 Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast
- 11.2 Global Transcutaneous Carbon Dioxide Monitor Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country
  - 11.2.3 Asia Pacific Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Region
  - 11.2.4 South America Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Sales of Transcutaneous Carbon Dioxide Monitor by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)**

- 12.1 Global Transcutaneous Carbon Dioxide Monitor Market Forecast by Type (2026-2033)
  - 12.1.1 Global Forecasted Sales of Transcutaneous Carbon Dioxide Monitor by Type (2026-2033)
  - 12.1.2 Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Type (2026-2033)
  - 12.1.3 Global Forecasted Price of Transcutaneous Carbon Dioxide Monitor by Type (2026-2033)
- 12.2 Global Transcutaneous Carbon Dioxide Monitor Market Forecast by Application (2026-2033)
  - 12.2.1 Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) Forecast by Application

12.2.2 Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD) Forecast by Application (2026-2033)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Transcutaneous Carbon Dioxide Monitor Market Size Comparison by Region (M USD)

Table 5. Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Transcutaneous Carbon Dioxide Monitor Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Transcutaneous Carbon Dioxide Monitor Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Transcutaneous Carbon Dioxide Monitor as of 2024)

Table 10. Global Market Transcutaneous Carbon Dioxide Monitor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Transcutaneous Carbon Dioxide Monitor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Transcutaneous Carbon Dioxide Monitor Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Transcutaneous Carbon Dioxide Monitor Sales by Type (K Units)

Table 26. Global Transcutaneous Carbon Dioxide Monitor Market Size by Type (M

USD)

Table 27. Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) by Type (2020-2025)

Table 28. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Type (2020-2025)

Table 29. Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD) by Type (2020-2025)

Table 30. Global Transcutaneous Carbon Dioxide Monitor Market Size Share by Type (2020-2025)

Table 31. Global Transcutaneous Carbon Dioxide Monitor Price (USD/Unit) by Type (2020-2025)

Table 32. Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) by Application

Table 33. Global Transcutaneous Carbon Dioxide Monitor Market Size by Application

Table 34. Global Transcutaneous Carbon Dioxide Monitor Sales by Application (2020-2025) & (K Units)

Table 35. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Application (2020-2025)

Table 36. Global Transcutaneous Carbon Dioxide Monitor Market Size by Application (2020-2025) & (M USD)

Table 37. Global Transcutaneous Carbon Dioxide Monitor Market Share by Application (2020-2025)

Table 38. Global Transcutaneous Carbon Dioxide Monitor Sales Growth Rate by Application (2020-2025)

Table 39. Global Transcutaneous Carbon Dioxide Monitor Sales by Region (2020-2025) & (K Units)

Table 40. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Region (2020-2025)

Table 41. Global Transcutaneous Carbon Dioxide Monitor Market Size by Region (2020-2025) & (M USD)

Table 42. Global Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Region (2020-2025)

Table 43. North America Transcutaneous Carbon Dioxide Monitor Sales by Country (2020-2025) & (K Units)

Table 44. North America Transcutaneous Carbon Dioxide Monitor Market Size by Country (2020-2025) & (M USD)

Table 45. Europe Transcutaneous Carbon Dioxide Monitor Sales by Country (2020-2025) & (K Units)

Table 46. Europe Transcutaneous Carbon Dioxide Monitor Market Size by Country

(2020-2025) & (M USD)

Table 47. Asia Pacific Transcutaneous Carbon Dioxide Monitor Sales by Region

(2020-2025) & (K Units)

Table 48. Asia Pacific Transcutaneous Carbon Dioxide Monitor Market Size by Region

(2020-2025) & (M USD)

Table 49. South America Transcutaneous Carbon Dioxide Monitor Sales by Country

(2020-2025) & (K Units)

Table 50. South America Transcutaneous Carbon Dioxide Monitor Market Size by

Country (2020-2025) & (M USD)

Table 51. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Sales by

Region (2020-2025) & (K Units)

Table 52. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Market Size

by Region (2020-2025) & (M USD)

Table 53. Global Transcutaneous Carbon Dioxide Monitor Production (K Units) by

Region(2020-2025)

Table 54. Global Transcutaneous Carbon Dioxide Monitor Revenue (US\$ Million) by

Region (2020-2025)

Table 55. Global Transcutaneous Carbon Dioxide Monitor Revenue Market Share by

Region (2020-2025)

Table 56. Global Transcutaneous Carbon Dioxide Monitor Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America Transcutaneous Carbon Dioxide Monitor Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe Transcutaneous Carbon Dioxide Monitor Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan Transcutaneous Carbon Dioxide Monitor Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China Transcutaneous Carbon Dioxide Monitor Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Sentec Basic Information

Table 62. Sentec Transcutaneous Carbon Dioxide Monitor Product Overview

Table 63. Sentec Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Sentec Business Overview

Table 65. Sentec SWOT Analysis

Table 66. Sentec Recent Developments

Table 67. Philips Basic Information

Table 68. Philips Transcutaneous Carbon Dioxide Monitor Product Overview

Table 69. Philips Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. Philips Business Overview

Table 71. Philips SWOT Analysis

Table 72. Philips Recent Developments

Table 73. Perimed AB Basic Information

Table 74. Perimed AB Transcutaneous Carbon Dioxide Monitor Product Overview

Table 75. Perimed AB Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. Perimed AB Business Overview

Table 77. Perimed AB SWOT Analysis

Table 78. Perimed AB Recent Developments

Table 79. Medicap Basic Information

Table 80. Medicap Transcutaneous Carbon Dioxide Monitor Product Overview

Table 81. Medicap Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 82. Medicap Business Overview

Table 83. Medicap Recent Developments

Table 84. Radiometer Medical ApS Basic Information

Table 85. Radiometer Medical ApS Transcutaneous Carbon Dioxide Monitor Product Overview

Table 86. Radiometer Medical ApS Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 87. Radiometer Medical ApS Business Overview

Table 88. Radiometer Medical ApS Recent Developments

Table 89. Shinsei Electronics Corporation? Basic Information

Table 90. Shinsei Electronics Corporation? Transcutaneous Carbon Dioxide Monitor Product Overview

Table 91. Shinsei Electronics Corporation? Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 92. Shinsei Electronics Corporation? Business Overview

Table 93. Shinsei Electronics Corporation? Recent Developments

Table 94. Qiumanshi Medical Technology Basic Information

Table 95. Qiumanshi Medical Technology Transcutaneous Carbon Dioxide Monitor Product Overview

Table 96. Qiumanshi Medical Technology Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 97. Qiumanshi Medical Technology Business Overview

Table 98. Qiumanshi Medical Technology Recent Developments

Table 99. Radiometer Medical Equipment Basic Information

Table 100. Radiometer Medical Equipment Transcutaneous Carbon Dioxide Monitor Product Overview

Table 101. Radiometer Medical Equipment Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 102. Radiometer Medical Equipment Business Overview

Table 103. Radiometer Medical Equipment Recent Developments

Table 104. Laike Biotechnology Basic Information

Table 105. Laike Biotechnology Transcutaneous Carbon Dioxide Monitor Product Overview

Table 106. Laike Biotechnology Transcutaneous Carbon Dioxide Monitor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 107. Laike Biotechnology Business Overview

Table 108. Laike Biotechnology Recent Developments

Table 109. Global Transcutaneous Carbon Dioxide Monitor Sales Forecast by Region (2026-2033) & (K Units)

Table 110. Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Region (2026-2033) & (M USD)

Table 111. North America Transcutaneous Carbon Dioxide Monitor Sales Forecast by Country (2026-2033) & (K Units)

Table 112. North America Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country (2026-2033) & (M USD)

Table 113. Europe Transcutaneous Carbon Dioxide Monitor Sales Forecast by Country (2026-2033) & (K Units)

Table 114. Europe Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country (2026-2033) & (M USD)

Table 115. Asia Pacific Transcutaneous Carbon Dioxide Monitor Sales Forecast by Region (2026-2033) & (K Units)

Table 116. Asia Pacific Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Region (2026-2033) & (M USD)

Table 117. South America Transcutaneous Carbon Dioxide Monitor Sales Forecast by Country (2026-2033) & (K Units)

Table 118. South America Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country (2026-2033) & (M USD)

Table 119. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Sales Forecast by Country (2026-2033) & (Units)

Table 120. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Country (2026-2033) & (M USD)

Table 121. Global Transcutaneous Carbon Dioxide Monitor Sales Forecast by Type (2026-2033) & (K Units)

Table 122. Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Type (2026-2033) & (M USD)

Table 123. Global Transcutaneous Carbon Dioxide Monitor Price Forecast by Type (2026-2033) & (USD/Unit)

Table 124. Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) Forecast by Application (2026-2033)

Table 125. Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Application (2026-2033) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Transcutaneous Carbon Dioxide Monitor
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD), 2024-2033
- Figure 5. Global Transcutaneous Carbon Dioxide Monitor Market Size (M USD) (2020-2033)
- Figure 6. Global Transcutaneous Carbon Dioxide Monitor Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Transcutaneous Carbon Dioxide Monitor Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Transcutaneous Carbon Dioxide Monitor Product Life Cycle
- Figure 13. Transcutaneous Carbon Dioxide Monitor Sales Share by Manufacturers in 2024
- Figure 14. Global Transcutaneous Carbon Dioxide Monitor Revenue Share by Manufacturers in 2024
- Figure 15. Transcutaneous Carbon Dioxide Monitor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Transcutaneous Carbon Dioxide Monitor Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Transcutaneous Carbon Dioxide Monitor Revenue in 2024
- Figure 18. Industry Chain Map of Transcutaneous Carbon Dioxide Monitor
- Figure 19. Global Transcutaneous Carbon Dioxide Monitor Market PEST Analysis
- Figure 20. Global Transcutaneous Carbon Dioxide Monitor Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Transcutaneous Carbon Dioxide Monitor Market Share by Type
- Figure 27. Sales Market Share of Transcutaneous Carbon Dioxide Monitor by Type

(2020-2025)

Figure 28. Sales Market Share of Transcutaneous Carbon Dioxide Monitor by Type in 2024

Figure 29. Market Size Share of Transcutaneous Carbon Dioxide Monitor by Type (2020-2025)

Figure 30. Market Size Share of Transcutaneous Carbon Dioxide Monitor by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Transcutaneous Carbon Dioxide Monitor Market Share by Application

Figure 33. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Application (2020-2025)

Figure 34. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Application in 2024

Figure 35. Global Transcutaneous Carbon Dioxide Monitor Market Share by Application (2020-2025)

Figure 36. Global Transcutaneous Carbon Dioxide Monitor Market Share by Application in 2024

Figure 37. Global Transcutaneous Carbon Dioxide Monitor Sales Growth Rate by Application (2020-2025)

Figure 38. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share by Region (2020-2025)

Figure 39. Global Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Region (2020-2025)

Figure 40. North America Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Transcutaneous Carbon Dioxide Monitor Sales Market Share by Country in 2024

Figure 43. North America Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Country in 2024

Figure 45. U.S. Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Transcutaneous Carbon Dioxide Monitor Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Transcutaneous Carbon Dioxide Monitor Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Transcutaneous Carbon Dioxide Monitor Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Transcutaneous Carbon Dioxide Monitor Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Transcutaneous Carbon Dioxide Monitor Sales Market Share by Country in 2024

Figure 53. Europe Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Country in 2024

Figure 55. Germany Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Transcutaneous Carbon Dioxide Monitor Sales Market Share by Region in 2024

Figure 67. Asia Pacific Transcutaneous Carbon Dioxide Monitor Market Size Market

## Share by Region in 2024

Figure 68. China Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (K Units)

Figure 79. South America Transcutaneous Carbon Dioxide Monitor Sales Market Share by Country in 2024

Figure 80. South America Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (M USD)

Figure 81. South America Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Country in 2024

Figure 82. Brazil Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Transcutaneous Carbon Dioxide Monitor Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Transcutaneous Carbon Dioxide Monitor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Transcutaneous Carbon Dioxide Monitor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Transcutaneous Carbon Dioxide Monitor Production Market Share by Region (2020-2025)

Figure 103. North America Transcutaneous Carbon Dioxide Monitor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Transcutaneous Carbon Dioxide Monitor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Transcutaneous Carbon Dioxide Monitor Production (K Units) Growth Rate (2020-2025)

Figure 106. China Transcutaneous Carbon Dioxide Monitor Production (K Units) Growth

Rate (2020-2025)

Figure 107. Global Transcutaneous Carbon Dioxide Monitor Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Transcutaneous Carbon Dioxide Monitor Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Transcutaneous Carbon Dioxide Monitor Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Transcutaneous Carbon Dioxide Monitor Market Share Forecast by Type (2026-2033)

Figure 111. Global Transcutaneous Carbon Dioxide Monitor Sales Forecast by Application (2026-2033)

Figure 112. Global Transcutaneous Carbon Dioxide Monitor Market Share Forecast by Application (2026-2033)

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