

Coriolis Meter Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Fluid Type (Liquid, Gas), By Mounting Type (Compact, Remote), By End-Use Industry (Oil and Gas, Chemicals and Petrochemicals, Food and Beverages, Pharmaceuticals, Water and Wastewater, Power Generation, Pulp and Paper, Mining and Metals), By Region & Competition, 2020-2030F

<https://marketpublishers.com/r/CF64EF5232C3EN.html>

Date: June 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: CF64EF5232C3EN

Abstracts

Market Overview

The Global Coriolis Meter Market was valued at USD 3.68 billion in 2024 and is projected to reach USD 6.05 billion by 2030, growing at a CAGR of 8.49% during the forecast period. Coriolis meters are precision instruments that measure mass flow, density, and temperature of liquids and gases using the Coriolis effect. Known for their high accuracy and reliability, these meters are increasingly adopted across industries where precise flow measurement is essential, such as oil and gas, chemical processing, pharmaceuticals, food and beverages, and power generation. The market encompasses manufacturers, automation providers, and end-users aiming to enhance process efficiency, safety, and compliance with strict regulatory standards. The versatility of Coriolis meters in handling diverse and challenging fluids—including non-conductive, viscous, or corrosive materials—further boosts their appeal in advanced industrial settings.

Key Market Drivers

Increasing Demand for Precision Measurement in Industrial Processes

The Coriolis Meter Market is witnessing robust growth driven by the rising need for precise flow measurement in sectors like oil and gas, chemicals, pharmaceuticals, and food and beverage. These meters offer superior accuracy in tracking mass flow, density, and temperature, making them critical for improving process control, reducing waste, and meeting regulatory requirements. In oil and gas applications, they ensure accurate custody transfer and pipeline monitoring. In pharmaceutical production, they support exact dosing and formulation consistency, while in the food and beverage industry, they help meet hygiene and measurement standards for viscous or temperature-sensitive fluids. As industries push for enhanced operational efficiency and safety, the demand for Coriolis meters continues to rise.

Key Market Challenges

High Initial Capital Investment and Installation Complexity

A key challenge for the Coriolis Meter Market is the substantial initial investment and complexity involved in installation. These meters are costlier than traditional flow measurement devices due to their advanced design and high-precision output. For cost-sensitive sectors or operations with limited capital budgets, particularly in developing economies, this cost disparity can limit adoption. Beyond the purchase cost, installation often requires system modifications—especially in retrofits—due to specific mounting and alignment needs. Coriolis meters are sensitive to vibration and orientation, which can necessitate engineering adjustments in older facilities. These factors collectively raise the total cost of ownership, posing adoption challenges for smaller enterprises.

Key Market Trends

Rising Adoption of Coriolis Meters in Renewable Energy and Biofuel Industries

A notable trend in the Coriolis Meter Market is the growing use of these devices in renewable energy and biofuel sectors. As global efforts toward decarbonization intensify, industries are investing in sustainable solutions like biodiesel, ethanol, and green hydrogen. Coriolis meters are well-suited for these applications due to their ability to provide accurate mass flow and density readings under varying conditions. In biofuel production, precise blending and dosing of feedstocks such as vegetable oils and animal fats are crucial for maintaining quality and regulatory compliance. The trend toward decentralized and remote renewable energy systems also favors Coriolis meters

for their low maintenance needs and digital connectivity, which enable real-time monitoring and integration into smart energy infrastructure.

Key Market Players

Emerson Electric Co.

Endress+Hauser Group Services AG

Siemens AG

Yokogawa Electric Corporation

ABB Ltd.

KROHNE Messtechnik GmbH

Schneider Electric SE

Bronkhorst High-Tech B.V.

Honeywell International Inc.

Tokyo Keiso Co., Ltd.

Report Scope:

In this report, the Global Coriolis Meter Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Coriolis Meter Market, By Fluid Type:

Liquid

Gas

Coriolis Meter Market, By Mounting Type:

Compact

Remote

Coriolis Meter Market, By End-Use Industry:

Oil and Gas

Chemicals and Petrochemicals

Food and Beverages

Pharmaceuticals

Water and Wastewater

Power Generation

Pulp and Paper

Mining and Metals

Coriolis Meter Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

South America

Brazil

Argentina

Colombia

Asia-Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Coriolis Meter Market.

Available Customizations:

Global Coriolis Meter Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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