

Global Thermal Gas Mass Flow Meter Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Thermal Gas Mass Flow Meter market size was valued at US\$ 1096 million in 2025 and is forecast to a readjusted size of US\$ 1549 million by 2032 with a CAGR of 5.1% during review period.

The thermal gas mass flow meter is a flow meter designed based on the principle of heat diffusion, which is used to measure the mass flow rate of gas flowing in a pipeline. It uses the fact that when the fluid flows through a hot object, the heat loss of the hot object is in a certain proportional relationship with the flow rate of the fluid to infer the mass flow rate of the gas. In 2025, global Thermal Gas Mass Flow Meter production reached approximately 819 k units, with an average global market price of around 1300 US\$/Unit. The production capacity of Thermal Gas Mass Flow Meter reaches 1100 k units, and the industry's gross profit margin is approximately between 20% and 40%.

The market demand for thermal gas mass flow meters continues to grow, mainly driven by multiple factors such as the increased demand for accurate gas measurement due to industrial energy conservation and emission reduction policies, the strengthening of environmental regulations requiring emission monitoring and combustion efficiency optimization, the improvement of process automation and data transparency driven by intelligent manufacturing upgrades, and the reliance of emerging industries such as semiconductors and hydrogen energy on high-purity or high-precision control of special gases. At the same time, its technical advantages of not requiring temperature and pressure compensation, low maintenance costs, and wide range ratio have made it widely used in replacing traditional differential pressure or vortex flow meters.

This report is a detailed and comprehensive analysis for global Thermal Gas Mass Flow

Meter market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Thermal Gas Mass Flow Meter market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thermal Gas Mass Flow Meter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thermal Gas Mass Flow Meter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Thermal Gas Mass Flow Meter market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Thermal Gas Mass Flow Meter

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Thermal Gas Mass Flow Meter market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Bronkhorst, Brooks Instrument, Endress+Hauser, Azbil, Fluid Components International, Fox Thermal, H?ntzsch,

Kobold Messring GmbH, KOFLOC, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Thermal Gas Mass Flow Meter market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Contact

Contactless

Market segment by Structure

Insertion Flowmeter

Inline Flowmeter

Market segment by Measurement Principle

Constant Power Type

Constant Temperature Difference Type

Market segment by Application

Industrial Process Control

Environmental Protection and Energy

Semiconductor Industry

Others

Major players covered

ABB

Bronkhorst

Brooks Instrument

Endress+Hauser

Azbil

Fluid Components International

Fox Thermal

H?ntzsch

Kobold Messring GmbH

KOFLOC

Korea Flowmeter Industrial

Sierra Instruments

MKS Instruments

OMEGA Engineering

ONICON

OVAL Corporation

SmartMeasurement

TOKYO KEISO

AMETEK LMS

V?gtlin Instruments

VorTek Instruments

Hefei Comate Intelligent Sensor Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Thermal Gas Mass Flow Meter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thermal Gas Mass Flow Meter, with price, sales quantity, revenue, and global market share of Thermal Gas Mass Flow Meter from 2021 to 2026.

Chapter 3, the Thermal Gas Mass Flow Meter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

emphatically by landscape contrast.

Chapter 4, the Thermal Gas Mass Flow Meter breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Thermal Gas Mass Flow Meter market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thermal Gas Mass Flow Meter.

Chapter 14 and 15, to describe Thermal Gas Mass Flow Meter sales channel, distributors, customers, research findings and conclusion.

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