

Global Animal Energy Expenditure Measurement System Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Animal Energy Expenditure Measurement System market size is expected to reach \$ 1017 million by 2032, rising at a market growth of 7.8% CAGR during the forecast period (2026-2032).

An animal energy expenditure measurement system is a scientific research and analytical device used to quantitatively assess the energy expenditure levels of laboratory animals under resting and active conditions. It is typically based on indirect calorimetry, continuously measuring the animal's oxygen consumption (VO₂) and carbon dioxide production (VCO₂) to calculate its basal metabolism, activity metabolism, and overall energy expenditure. The system generally consists of a metabolic cage, a gas analysis module, a flow control unit, and data analysis software. It can simultaneously collect behavioral data such as food intake, water consumption, and activity levels. It is widely used in obesity, diabetes, nutritional metabolism, drug evaluation, and genetic phenotype research, and is a core platform device in laboratory animal metabolic research. The projected sales volume in 2025 was 120,000 units, with an average price of \$4,580, a total production capacity of 150,000 units, and a gross profit margin of 50%.

This report studies the global Animal Energy Expenditure Measurement System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Animal Energy Expenditure Measurement System and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Animal Energy

Expenditure Measurement System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Animal Energy Expenditure Measurement System total production and demand, 2021-2032, (K Units)

Global Animal Energy Expenditure Measurement System total production value, 2021-2032, (USD Million)

Global Animal Energy Expenditure Measurement System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Animal Energy Expenditure Measurement System consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Animal Energy Expenditure Measurement System domestic production, consumption, key domestic manufacturers and share

Global Animal Energy Expenditure Measurement System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Animal Energy Expenditure Measurement System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Animal Energy Expenditure Measurement System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Animal Energy Expenditure Measurement System market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sable Systems International, TSE Systems, PhenoSys GmbH, Columbus Instruments, Bioseb, Maze Engineers, AEI Technologies, Shanghai TOW Intelligent Technology Co., Ltd., Linton Instrumentation, PhenoWorld, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Animal Energy Expenditure Measurement System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Animal Energy Expenditure Measurement System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Animal Energy Expenditure Measurement System Market, Segmentation by Type:

Single-Chamber System

Multi-Chamber High-Throughput System

Global Animal Energy Expenditure Measurement System Market, Segmentation by Measurement Principle:

Direct Calorimetry System

Indirect Calorimetry System

Global Animal Energy Expenditure Measurement System Market, Segmentation by Experimental Subject:

Small Animal Metabolic System

Large Animal Metabolic System

Global Animal Energy Expenditure Measurement System Market, Segmentation by Application:

Life Science Research

Pharmaceutical and Biopharmaceutical Industry

Feed and Animal Husbandry Industry

Others

Companies Profiled:

Sable Systems International

TSE Systems

PhenoSys GmbH

Columbus Instruments

Bioseb

Maze Engineers

AEI Technologies

Shanghai TOW Intelligent Technology Co., Ltd.

Linton Instrumentation

PhenoWorld

Phenome Technologies

Animalab

DIAS Infrared

Biosignal Technologies

Key Questions Answered:

1. How big is the global Animal Energy Expenditure Measurement System market?
2. What is the demand of the global Animal Energy Expenditure Measurement System market?
3. What is the year over year growth of the global Animal Energy Expenditure Measurement System market?
4. What is the production and production value of the global Animal Energy Expenditure Measurement System market?
5. Who are the key producers in the global Animal Energy Expenditure Measurement System market?
6. What are the growth factors driving the market demand?

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