

# Global Animal Energy Expenditure Measurement System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GBE9EE640948EN.html>

Date: January 2026

Pages: 117

Price: US\$ 3,480.00 (Single User License)

ID: GBE9EE640948EN

## Abstracts

According to our (Global Info Research) latest study, the global Animal Energy Expenditure Measurement System market size was valued at US\$ 604 million in 2025 and is forecast to a readjusted size of US\$ 1017 million by 2032 with a CAGR of 7.8% during review period.

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 (VO<sub>2</sub>) and carbon dioxide production (VCO<sub>2</sub>) 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 is a detailed and comprehensive analysis for global Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System

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 Animal Energy Expenditure Measurement System 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 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.

### **Market Segmentation**

Animal Energy Expenditure Measurement System 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

Single-Chamber System

Multi-Chamber High-Throughput System

#### Market segment by Measurement Principle

Direct Calorimetry System

Indirect Calorimetry System

#### Market segment by Experimental Subject

Small Animal Metabolic System

Large Animal Metabolic System

#### Market segment by Application

Life Science Research

Pharmaceutical and Biopharmaceutical Industry

Feed and Animal Husbandry Industry

Others

## Major players covered

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

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 Animal Energy Expenditure Measurement System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Animal Energy Expenditure Measurement System, with price, sales quantity, revenue, and global market share of Animal Energy Expenditure Measurement System from 2021 to 2026.

Chapter 3, the Animal Energy Expenditure Measurement System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System 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 Animal Energy Expenditure Measurement System.

Chapter 14 and 15, to describe Animal Energy Expenditure Measurement System sales channel, distributors, customers, research findings and conclusion.

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