

DATASHEET · MONITORING & TELEMETRY

Metabolic Measurement System.

SKU ME-MS-35107 Spec v1 Rev. 2026-07-10

DATASHEET · P
ME-MS-
Rev 2026

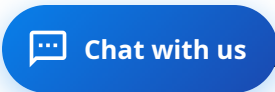


PRODUCT FAMILY
ANIMAL MODEL
APPLICATION
COUNTRY OF ORIGIN
MFG. STANDARD
LOT TRACEABLE **No**
VERIFIED **Spec v1 · 2026-07-10**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

PORTABILITY	Small portable unit with solid case and handle	REAL_TIME_MEASUREMENTS	Oxygen, carbon dioxide, water vapor pressure, atmospheric pressure, humidity
MEASURED_PARAMETERS	O2 consumption per unit time, CO2 production per unit time, Respiratory entropy (RQ), Respiratory exchange rate (RER), Energy consumption, Metabolic rate (MR), Temperature, Humidity, Air pressure	OPERATIONAL_MODES	Real-time protocol execution and exportation
DATA_EXPORT	USB drive integration	INTEGRATION_COMPATIBILITY	Maze Engineers Metabolic Treatment cages, and metabolic cages
VIDEO_TRACKING_COMPATIBILITY	Notus EthoVision, ANY-Maze	FIELD_CONDITIONS	Various complex field environmental conditions
AUTOMATION_LEVEL	semi-automated	ACCURACY	O2 consumption: 1ml, CO2 production: 1ml, Temperature: 0.1°C, Humidity: ±1% RH, Air pressure: 0.075%
DISPLAY_TYPE	Touchscreen	RESEARCH_DOMAIN	Aging Research, Behavioral Pharmacology, Cardiovascular, Environmental Monitoring, Metabolic Research, Motor Function
SPECIES	Gerbil, Hamster, Rabbit, Mouse, Rat, Guinea pig	DIMENSIONS LxWxH (MM)	43.2 × 38.0 × 27.9
WEIGHT (KG)	21.0	AVAILABILITY	In stock



1 LINE ITEMS

BASE CONFIGURATION

QTY	ITEM	SKU
	Scope. Metabolic Measurement System	ME-MS-35107
INFO@CONDUCTSCIENCE.COM	CONDUCTSCIENCE.COM	ME-MS-35107 · DATASH

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DATASHEET · P

ME-MS-3

Rev 2026

BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Metabolic Measurement System

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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DATASHEET · P

ME-MS-3

Rev 2026

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. Verified 2026-07-10 · Since 2026-07-10.

Cite: ConductScience ME-MS-35107, Spec v1, 2026-07-10. conductscience.com/lab/metabolic-measurement-system

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