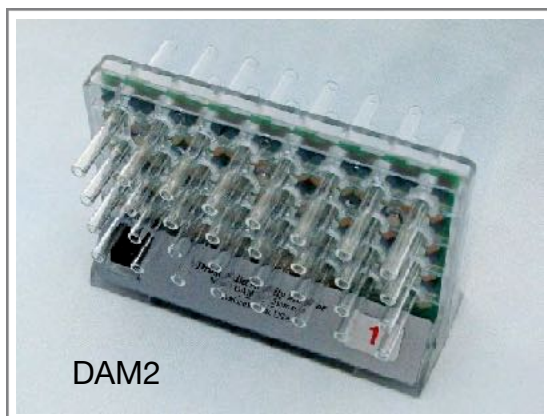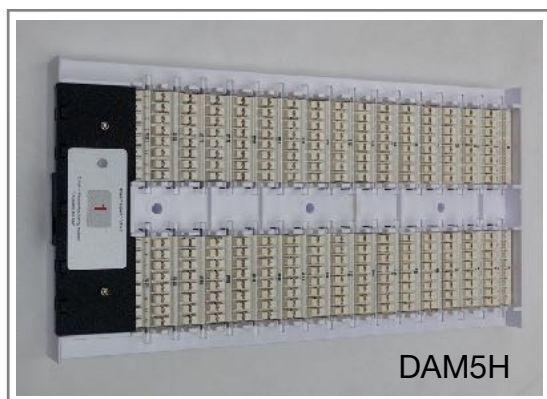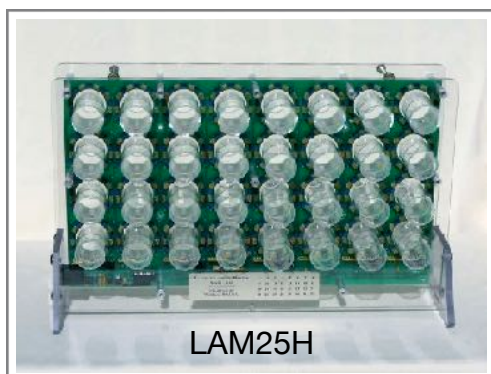# *DAMSystem* Product Price List

DAM2

DAM2 Drosophila Activity Monitor
- 32 tubes, 5mm diameter
- Dual consolidated IR beams per tube
- Output data type: Counts
- Available model
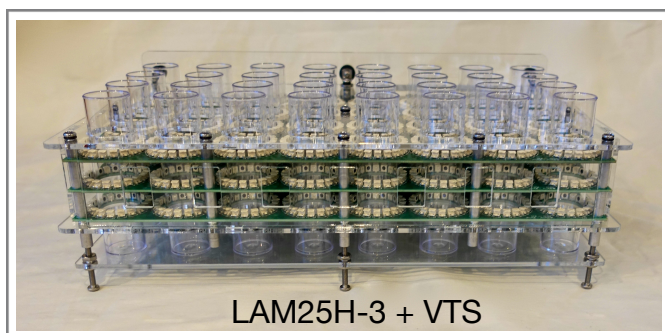 - DAM2 for 5mm tube = $525.

DAM5H

DAM5H Drosophila Activity Monitor
- 32 tubes, 5mm diameter
- 4 or 15 independent IR beams per tube
- Output data types: Counts, Moves, Dwell, Latency, Position, Rest
- Built-in clips hold tubes securely
- Available models
  - DAM5H = $1,275. (15 beams per tube)
  - DAM5H-4 = $975. (4 beams per tube)

LAM25H

LAM10/16/25 Locomotor Activity Monitor
- 32 tubes, 10, 16, or 25mm diameter
- 3 or 9 (high res) consolidated IR beams per tube
- Output data type: Counts
- Available models
  - LAM10, LAM16, LAM25 = $975.
  - LAM10H, LAM16H, LAM25H = $1,275. (high res)
  - LAMVTS Vertical Tube Support plate = $100.

LAM25H-3 + VTS

LAM25H-3 Locomotor Monitor
- 3-board stack monitors 3 axial positions per tube for added fidelity.
- Available models
  - LAM25H-3 = $3300. 17.5mm bd sep
  - LAM25H-3/XS = $3450. 27mm sep

TRIKINETICS

DEnM Drosophila Environment Monitor
- Measures incubator conditions alongside activity data for archival record.
- Precision measurements verify chamber setpoints
- Temperature: 0-70C, +/- 0.1 degC
- Relative Humidity: 0-95%, +/- 2%
- Ambient Light: 0-65K lux, +/- 5%
- Available model
  - DEnM = $450. (Temp, RH, Light)

PSIU9 Power Supply Interface Unit
- Connects data collection computer to activity monitors. One required per system.
- Includes PS9-1 AC power supply, AC line cord, USB cable, and 10' data cable
- Available models
  - PSIU9 = $350. (includes PS9-1)
  - PS9-1 Power supply = $40. (9VDC, 1A)
  - DDC Digital Data Collector = $400. (includes DAMSystem3, requires HDMI display and USB keyboard/mouse)
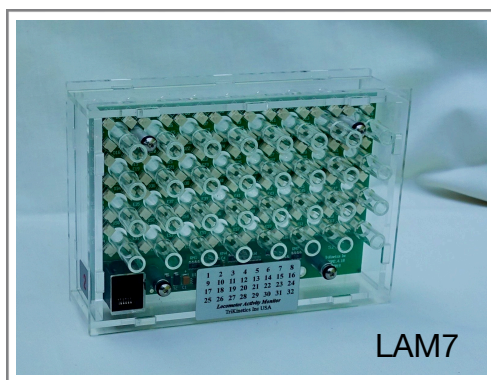

LC4 Light Controller
- On/off switching of 4 AC outlets
- Pulse duration from 0.1 second to 99 hours
- Single, periodic, or random pulse repetition
- Incubator lighting control
- Vortexer pulsing for sleep deprivation
- 3A, 240VAC max for each outlet, 50/60 hz
- Available model
  - LC4 = $825.

ILT Incubator Light
- 4 independent coincident outputs
- Red, Green, Blue, White
- Variable intensity, turn-on time, and pulse length
- Periodic or random pulse output
- Repeating pulses at increasing intensity for stimulation response and arousal testing
- Optogenetic pulse rate to 500 hz
- Available model
  - ILT = $565.
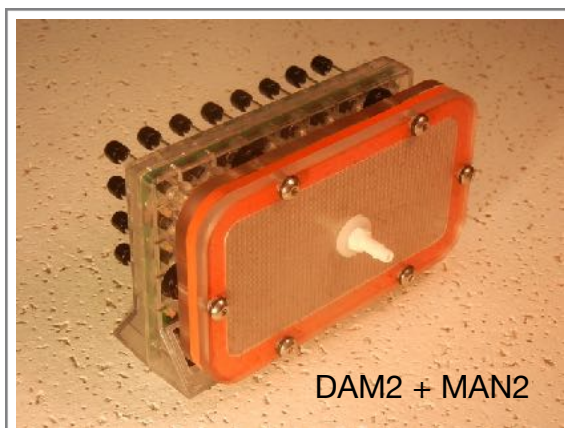
LAM7

LAM7 Locomotor Activity Monitor
- 32 tubes, 7mm diameter
- Dual consolidated IR beams per tube
- Output data type: Counts
- Available model
  - LAM7 for 7mm tube = $650.

LAM50

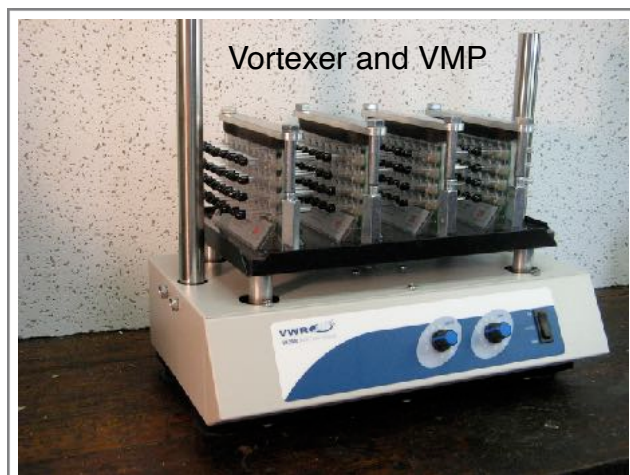**LAM50 Locomotor Activity Monitor**
- 15 tubes, 50mm diameter
- 9 consolidated IR beams per tube
- Output data type: Counts
- Available model
  - LAM50H = $1,675.

DAM2 + MAN2

MAN2 Gas Distribution Manifold
- Facilitates gas flow thru DAM2 5mm tubes
- Tubes snap into manifold via gasket seal
- Exit holes in plastic tubes (optional)
- Disassembly for cleaning
- Available models
  - MAN2 for 5mm tube = $400.

Vortexer and VMP

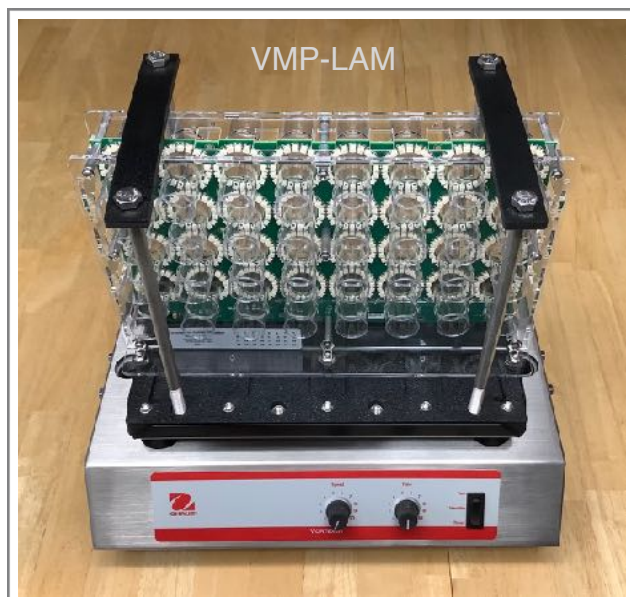VMP-5H

VMP-LAM

Vortexer Mounting Plate

- Fits Ohaus/Troemner 30392164 vortexer
- Securely holds activity monitors during shake cycle
- Compatible with LC4 Light Controller for precision computerized sleep deprivation
- Includes all necessary hardware

Mounting Plates
- VMP = $575. (holds 4 DAM2 monitors)
  VMP-UD = $250. (upper deck for VMP)
- VMP-5H = $575. (holds DAM5H)
  VMP-CS = $65. (set of 3 clamp screws)
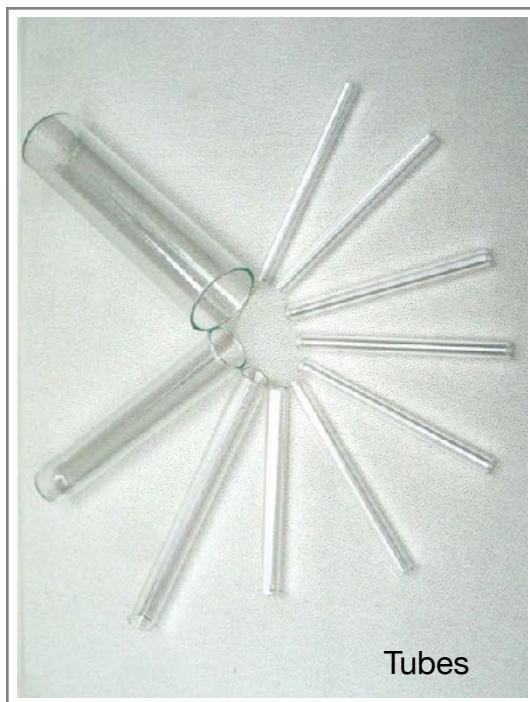- VMP-LAM = $250. (holds LAM10/16/25, requires VMP)

Ohaus/Troemner vortexer with VMP Mounting Plate installed
- TVOR-120 = $3,450. (120V for DAM2)
- TVOR-120-5H = $3,450. (DAM5H)
- TVOR-120-LAM = $3,450. (LAM10/16/25)

- Ohaus part number 30392164 (120V)
- TVOR-230 model supplied with 230/115V voltage converter
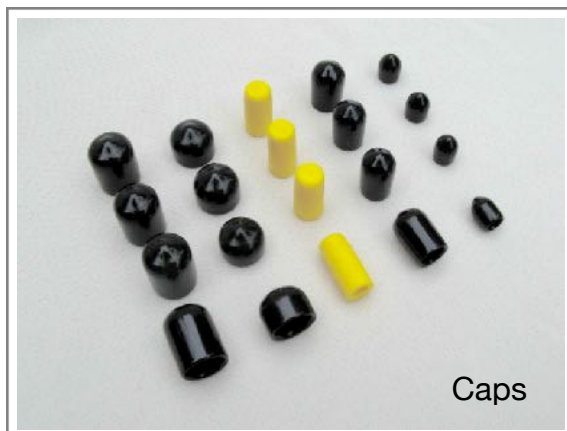

VMP and VMP-UD holds 8 DAM2 units

Tubes

Monitor Tubes (outside diameter x length, mm)

- PGT5x65 Pyrex Glass (100) = $80.

- PGT5x80 Pyrex Glass (100) = $85.
  PGT5x80 Pyrex Glass (656) = $492.

- PGT5x150 Pyrex Glass (50) = $150.

- PPT5x65 Polycarbonate (100) = $15.
  PPT5x65 Polycarbonate (1000) = $120.
  PPT5x65 Polycarbonate (7500) = $675.

- PPT5x80 Polycarbonate (100) = out of stock

- PGT7x65 Pyrex Glass (100) = $100.

- PGT10x100 Pyrex Glass (100) = $125.

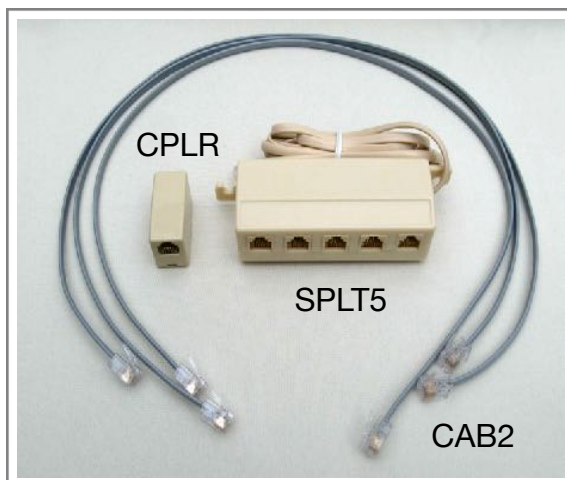- PGT16x100 Pyrex Glass (43) = $75.

- PGT25x125 Pyrex Glass (36) = $100.

  Tubes are open on both ends; glass are fire glazed.
  All may be autoclaved.

Caps

Tube Caps

- CAP5-Black (100) = $15. (fits 5mm tube)
  CAP5-Black (1000) = $130. (6mm length)
  CAP5L-Black (5000) = $500. (12mm length)

- CAP5-Yellow (100) = $30.

- CAP7-Black (100) = $17.

- CAP10-Black (100) = $20.

- CAP16-Black (100) = $25.

- CAP25-Black (100) = $30.

Black caps are soft vinyl, yellow is harder PVC.

CPLR

SPLT5

CAB2

Cables and Connectors

- SPLT5 5-way splitter = $15.

- CPLR Coupler = $5.

- CAB2 2' (61cm) monitor cable = $6.

- CAB10 10' (305 cm) extension cable = $9.

Ordering Notes

How to order	Send a Purchase Order by email to *sales@trikinetics.com* including item list, shipping address, and email address for invoice submission. Credit card payment is accepted with an added 3.5% (domestic) or 5.0% (foreign) PayPal handling fee. A PayPal account is not required.
Prices	In fairness to everyone, prices for products listed herein are applicable to all purchases from all customers, whether new or old, near or far, great or small. Dealers, agents, and resellers are hereby authorized to purchase these same products on a non-exclusive basis, but no discounts are available.
Basic System	A basic system will include the PSIU9, one or more activity monitors, and a customer-supplied Macintosh or Windows PC with USB port for data collection and storage.
Tubes and Caps	Unless otherwise noted, monitors do not include tubes or caps, which may be ordered separately.
Wiring Accessories	All systems are shipped with appropriate DAMSystem network wiring accessories, including cables, couplers, and 5-way splitters. Monitor cables are 50cm (2') long and extension cables are 3m (10') long unless otherwise specified.
Monitor Numbers	All units are identified by a unique numeric address in the range 1:120 which must be specified at the time of order. Addresses should not be duplicated within a system, and will be assigned consecutively from #1 unless otherwise specified.
Software	The DAMSystem data acquisition software package and PSIU9 USB driver are available for download at no charge: www.trikinetics.com.
Foreign Orders	Overseas shipment is available for any item. Foreign customers are advised that VAT or other import duty will likely be assessed on arrival, and may slow delivery if preparations are not made in advance.
Warranty and Repair	Defective units will be repaired at no charge.
Specifications	All specifications are nominal, and subject to change without notice to improve product reliability or performance. No liability is assumed for loss of data or consequential damages, and all trademarks are the property of their respective owners.
Acknowledgments	These units were developed with the continuing assistance and support of scientists in many laboratories around the world, and is gratefully acknowledged. We are especially indebted to Professors Michael Rosbash and Jeffrey Hall at Brandeis University for their cooperation and assistance in the early days.
Contact	TriKinetics Inc Princeton, MA 01541-0325 USA *sales@trikinetics.com* ©1986-2024