

Electronic Von Frey

The electronic model of Von Frey filament combines ease of use and rapidity for the determination of mechanical sensitivity thresholds in rodents. This easy-to-use and precise instrument is a must-have reference for research in analgesia, nociception, neuro-pathologies, and post-operative pain. The pain sensitivity of an animal or person is important to know when delving into life science research related to pain research, neuropathy assessment, and the testing for analgesic drug. Electronic Von Frey aesthesiometers, also known as electronic Von Frey Analgesiometer, assess mechanical allodynia, which is a painful response to a light touch or pressure from a stimulus that is not normally painful or hyperalgesia.

The device applies a gradually increasing force to the paw using a fine probe until a withdrawal response is observed. The peak force required to elicit this response is automatically recorded, providing an accurate measure of the paw withdrawal threshold.



Designed for accurate measurement of mechanical allodynia and hyperalgesia in rodents.



FEATURES:

- Pre-calibrated easy-to-use system
- High accuracy of 0.1% and resolution of 0.1g
- Facility to store the force response along with the latency time.
- Facility for auto and manual mode with storage capacity for 800 readings.
- Each system is supplied with 1 set of 4 filaments.
- Easily adaptable for rats and mice by adjusting the enclosure position on the mesh platform.
- Stand-alone system, no need for a computer
- Zero key to make readings zero during operations

- PC Connectivity using Type-C cable and software for data logs and report generation.
- Inbuilt weight calibration
- Instrument operates on built-in 3200mAh rechargeable battery* with a capacity to work for 15hours in fully charged condition.
- Digital LED Display
- Four units for measurement available gf/N/lbf/Kgf /KN/N.M.

* For shipping/ transportation of product with inbuilt battery, please verify the country wise air or ocean shipping policies.

SOFTWARE FEATURES:

- Provision of experiment title, animal start number, animal end number, and animal sex selection, so that no need for manual entry of animal number for each animal.
- Software will automatically create the rows from the selected animal start number up to the last animal number.
- **Averaging option:** The Software will automatically give the average of 3 readings if needed.
- **Error code option:** Errors like instrument error, wrong animal number, and repeat trial can be coded in front of a particular reading if needed.

SYSTEM SPECIFICATION AND MODELS:

Specification	Model
	EVF-01
Force Range	1000 gf
Force Response	In 0.1gf steps
Latency Time	0.1s step
Accuracy	0.1%
Tip Diameter	0.4,0.6,0.8 & 1.0 mm (interchangeable)
Animal Positioning	Base assembly with animal enclosure suitable for 12 mice or 6 rat with adjustable position locating mirror
Unit	gf/N/lbf/Kgf /KN/N.M
Material of composition	Methacrylate, S.S. 304
Certifications	CE Compliant
Power requirements	Inbuilt re-chargeable Lithium-ion battery of 3200mAh with charging using Type C cable Battery life- Can be charged for 1000 times

ORDERING INFORMATION:

Model	Sensor	Accessories
EVF-01	Controller with Von Frey applicator	<ul style="list-style-type: none">• Stand: Stand with enclosure suitable for 12 mice or 6 rats by changing the partition. Dimensions: Stand: 740 x 330 x 400mm (LxWxH) Chamber: 206 x 206 x 140mm (LxWxH)• Adjustable mirror suitable for mounting on the stand to locate the paw position• Software for PC Connectivity• Set of Filaments: 1 Details of 4 filaments: 0.4,0.6,0.8 & 1.0 mm.• Pedal Switch



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