

# NEW Electronic Von Frey for Evaluating Mechanical Allodynia



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## Key Features

- Provides objective and accurate data
- The threshold value can be obtained in only one test, and in a highly reproducible manner
- Elimination of the problems of filament standardization
- Stimulation of areas of equal size
- The end-point value is automatically recorded

## Parameters Measured

- Current force applied on the animal paw (grams)
- Peak force eliciting an animal response

## Components Included

- Electronic Von Frey unit
- 10 disposable plastic tips
- 1 spring tip for thresholds between 0 and 10 grams
- Footswitch to reset the display to zero
- Carrying case for transport

## Options

- RSIC software
- National Standard Linked Calibration Certificate
- EMC conformity agreement

## NEW & Unique - Electronic Von Frey!

- Internal statistical computations allows direct reading of average value, standard deviation and variability in subject groups and up to 100 animals

The electronic model of Von Frey filament combines ease of use and rapidity for the determination of the mechanical sensitivity threshold in rodents.

The Von Frey filament is applied against the central edge of the animal hind paw. Paw withdrawal caused by the stimulation is registered as a response. The corresponding force applied is recorded by the system and displayed on the large backlit screen of the Von Frey unit with a resolution of 0.1 grams.

Different from the procedure using classical Von Frey filaments, the threshold value can be obtained in only one test, and in a highly reproducible manner. A foot switch is provided to reset the screen and carry out rapid hands-free experiments. RSIC software can be used to automatically record the results on a PC through a RS-232 port.

The electronic Von Frey can be supplied with a National Standard Linked calibration certificate (ISO 9000), and an EMC conformity agreement.

## Specifications

Measurement Range	0 to 500 g (5N), 120% overload allowed without causing any damage to the sensor
Precision:	
Resolution	0.1 g
Accuracy	0.2 g
Temperature Compensation	from 0 to 50°C
Statistical Functions	Average value and standard deviation are computed for all the data stored
Internal Memory	up to 100 values
Power Supply	110-220 V (other voltages on request)
Weight	6.5 kg

Order #	Model	Product
PY2 76-0487	BSBIOEVF3	Electronic Von Frey Complete with Accessories & Suitcase 110 or 220 VAC
PY2 76-0488	BSBIOEVFD	Hard plastic tips, 10 units
PY2 76-0489	BSBIOEVFRS	Elastic (spring) tips, 1 unit
PY2 76-0484	BSBIORSIC	Data Acquisition RSIC Software Windows® XP (dongle & CD)

## Citations

Casals-Diaz L et al. (2009) Nociceptive responses and spinal plastic changes of afferent C-fibers in three neuropathic pain models induced by sciatic nerve injury in the rat. *Exp. Neurol.* 217(1):84-95. (rat, Spain)

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