

Electronic Von-Frey

for evaluating mechanical allodynia in rats



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

PRODUCT OVERVIEW

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

Basically, 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.

Differently to 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 proved to carry out rapid hands-free experiments. BSR SIC software can be used to automatically record the results on a PC through a RS 232 port.

The electronic Von Frey is supplied with a COFRAC related calibration certificate (ISO 9000), and an EMC conformity agreement.

APPLICATIONS

Pain disorders, Neuropathy, Hyperalgesias, Analgesics screening, Phenotyping

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 each subject |
| Internal Memory | up to 100 values |
| Power supply | 220-240 V (other voltages on request) |
| Weight | 6,5kg |

ORDERING INFORMATION

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|--------|---------|---------|-----------------------|
| | BSEVF3 | 76-0070 | Electronic Von Frey |
| OPTION | BSRS232 | 76-0071 | Communication's cable |
| OPTION | BSRSIC | 76-0073 | Software |

Contact us for additional information

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