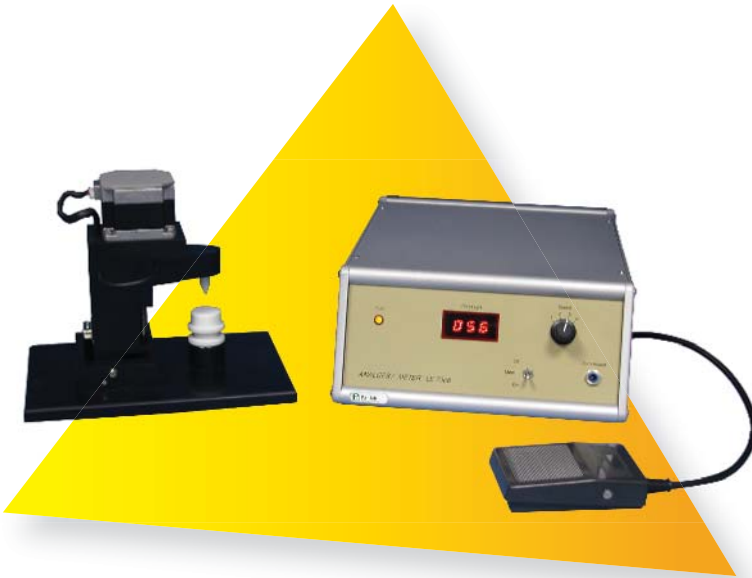


Rat paw pressure

for evaluating mechanical pain sensitivity in rat (Randall & Selitto test)



Key Features

- Digital display (1 g resolution)
- Pressure increasing rate adjustment
- Configurable pressure speed ratio
- Practical foot switch control
- Time-saving computer interface included



PRODUCT OVERVIEW

The Randall & Selitto test is based on determination of the animal threshold response to pain induced in the paw by the application of a uniformly increasing pressure.

In the LE7306 paw-pressure, a stimulation unit allows the gradual increase (at selectable rates) of the pressure applied on the animal paw. The pressure increase is achieved by an electronic motor inducing the progressive advancement of a sliding support with a distal conic tip.

The conic tip is mounted on an extensometric load cell, making possible the visualization on the digital display of the current force applied at each moment of the test (grams). The motor and tip units are mounted on a pivoting stand preventing any excess pressure on the animal paw.

The Control Unit makes possible the adjustment of the force transducer, balance and reset, as well as the selection of the step-motor current speed. A remote foot-switch controls the motor turn on/off allowing rapid hands-free experiments. An automatic system is activated once the distal extreme of the sliding support track is reached or when the pedal is released at the test ending point. Then, the motor reverses its rotation at its higher speed, sliding up the conic tip again.

SeDacom software supplied with the unit can be used to automatically record the results on a PC through a RS 232 port.

APPLICATIONS

Pain disorders, Hyperalgesias, Neuropathy, Inflammation, Post-operative pain, Analgesics screening, Phenotyping

SPECIFICATIONS

Mechanical stimulus	Resolution: 1g; Max: 999 g
Material Composition	Methacrylate
Control Unit Dimensions	350 x 350 x 130 mm
Stimulation Unit Dimensions	150 x 210 x 166 mm
Cones included	1 flat (1 mm) and 1 conic tip cone
Certifications	CE Compliant
SeDaCom Computer Requirements	PC, Windows 95, 98, ME, NT, 2000, XP and Vista (XP recommended)

ORDERING INFORMATION

LE7306	76-0234	Rat Paw Pressure system including SeDaCom Software and 2 cones
LE7000	76-0114	Thermal Printer (option)

Contact us for additional information

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