

# Librae

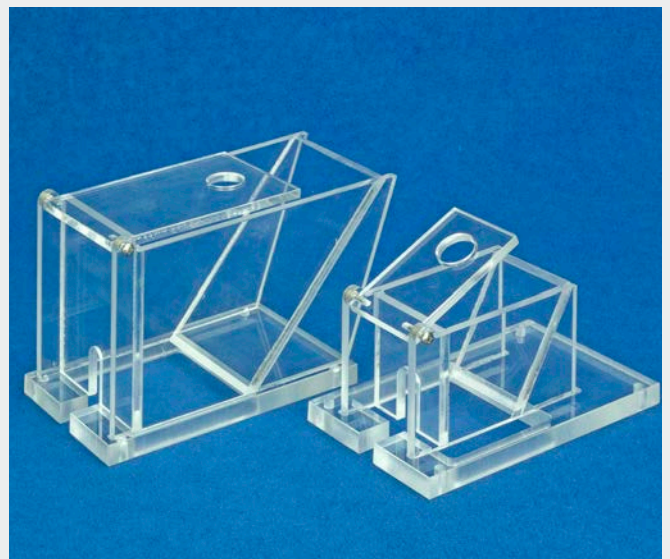
## Automated Incapacitance Tester

  
Pain  
Inflammation



**Osteoarthritis, Bone Cancer, Nerve Injury, Post-operative Pain Studies**

- ✓ **Unique feature: Fully automatic or hands-free test processing**
- ✓ **Monitor test results visually on bright color touch screen. Easy data transfer to spreadsheets.**
- ✓ **Magnetic pads for easy cleaning**
- ✓ **For mice and rats. Pedal switch and restrainer included.**



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## Your 21<sup>st</sup> century Incapacitance Tester

**Measure hind paw weight distribution** to assess spontaneous pain in an injured rat or mouse hind paw, using the most widely used method (>1,500 citations), now equipped with latest technologies by Ugo Basile to improve efficiencies and provide reliable, accurate data. The advanced Incapacitance Tester automates measurements and displays results graphically enabling researchers to monitor trends in real time.

### Features and Benefits

- **Automate the measurement process using Autostart**, a unique feature that identifies immobility windows to optimize test repeatability and save operator time.
- **Manage settings and data, quickly and seamlessly** using large touch screen
- **View data graphically** to monitor tests as histograms, showing left/right weight and scatter charts displaying trend data
- **Easy transfer of data** using supplied USB key. Recorded parameters include average paw weight, Standard Deviation, Left/Right ratio and more. Universal .csv format for spreadsheets including Microsoft Excel.
- **Easy calibration of high quality force sensors** (0.1g resolution) using reference weight supplied. There are no screws or protruding parts that can cause interference with the rodents and possibly compromise experiment results.
- **Clean foot pads within seconds** that are magnetically attached for easy removal



### Specifications

Dimensions:	13 cm x 25 cm x 31 cm (HxWxD) without holders.
Packaging dimension:	28 cm x 68 cm x 34 cm (HxWxD) Weight 3.0 Kg.
Weight:	2.6 Kg (instrument only no pedal, holders and power cable)
Output data file:	.csv format (for spreadsheets including Microsoft Excel)
Measurements resolution:	0.05 g @ 500 g scale; 0.1 g @ max scale (2.200 g per paw)
Max. weight and accuracy:	2.200 g and 0.5% full scale
Designed for:	Mice and Rats.
Data results:	Duration, session number, force peak, average, std. deviation for each paw and left/right ratio. Direct calculation after the end of every experiment
Internal Memory:	4 GB, up to 10.000 + experiments
Measurement time:	From 1 s to 360 s
Measurement starting mode:	Manual or Automatic with automode settings.
Power supply:	Internal power supply 90-260VAC, fanless (silent).

TRIAL RESULTS			
Session:	12	L/R Ratio:	1.1
Duration:	3.0 s	Left Peak:	12.3 g
		Right Peak:	12.6 g
Left Average:	11.8 g	Right Average:	12.3 g
Left Std. Dev.:	1.4	Right Std. Dev.:	1.5

*Real time paw force measurement & display*



*USB key to export data to PC and connectors*

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