

# Tail Flick Analgesia Meter

## TO MEASURE PAIN SENSITIVITY IN MICE & RATS

The Tail Flick Analgesia Meter measures pain sensitivity in mice and rats as they respond to heat application to a small area of the tails. The instrument has a shutter-controlled lamp as a heat source. The lamp is located below the animal to provide a less confining environment. The lamp starts 5 seconds prior to the actual shutter opening so that the heat source provides a constant temperature to the animal's tail, avoiding temperature variations which are most common with non-shuttered systems. The animal is generally restrained and its tail is placed on a sensing groove on top of the instrument. Activation of an intense light beam to the tail results in discomfort leading to tail flick out of the beam at some time point. The instrument can be used in auto mode or manual mode. In the manual mode, the foot switch is released. In auto mode the photodetector detects the tail flick, causing the timer to stop. The total time elapsed between the shutter opening and the animal's tail flick is displayed on an easily read display located on the front panel.



**Designed To Measure Pain Sensitivity In Mice And Rats As They Respond To Heat Application To A Small Area Of The Tails.**



## FEATURES:

- Shutter-operated lamp illumination system
- Automatic or manual mode for detecting tail flick
- Precise and reproducible results
- Cut off timer to avoid damage to animal
- Instrument has provision to add max sequence numbers, auto experiment number and animal sex.
- PC Connectivity with software
- Software with calibration and report generation feature
- Software has provision to add title, comment, graphical presentation and data can be converted in excel or pdf
- Calibration mode using Heat Flux meter (optional device)

## SYSTEM SPECIFICATION & MODELS:

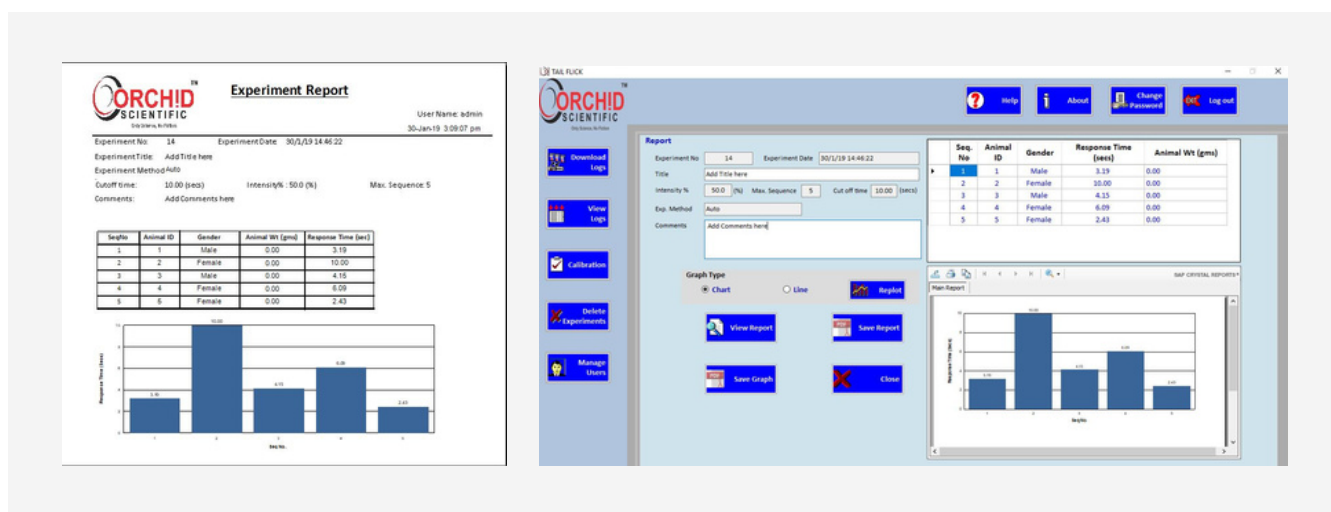
Model	Control Unit Dimensions (LxWxH)	Halogen Lamp	Animal Restrainer	Lamp Intensity Range (%)	Reaction Time (Seconds)
TFA-01	400x310x130 (mm)	Halogen 8V-50W	Mouse & Rat Restrainer	1-99%	0-999.9seconds

## ORDERING INFORMATION:

Model	Certifications	Power requirement	Accessories
TFA-01	CE Compliant	220/230V AC 50Hz or 110/120V AC 50-60Hz*	<ul style="list-style-type: none"> <li>Control Panel-1</li> <li>Mouse Restrainer (SAR 30F)-1</li> <li>Rat Restrainer (SAR250F)-1</li> <li>Pedal switch-1</li> <li>Software-1</li> <li>Radiometer (optional)</li> </ul>

\*Needs to be specified in the order information

## SOFTWARE REPORT FORMATS :



Note: Orchid's continuing product development makes specifications subject to change without prior notification.



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