

Digital Paw Pressure Analgesia Meter

FOR SCREENING OF ANALGESIC AND ANTI-INFLAMMATORY DRUGS ACCORDING TO THE RANDALL-SELITTO TEST

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 PPA01-Li 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 a step-motor inducing the progressive advancement of a sliding support with a distal conic tip (1 mm diameter).

The conic tip point is mounted on a load cell, making it possible to visualize 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's paw.

A remote foot-switch controls the motor turn on/off allowing rapid hands-free experiments.



Designed To Study Rapid And Precise Screening Of Analgesic Drugs On The Normal And Inflamed Rat Paw According To The Randall-Selitto Test And Displays The Pressure Digitally



FEATURES:

- Pre Calibrated easy to use system
 - High accuracy and resolution
 - Automatically stores the peak readings
 - Stand-alone system, no need for a computer
 - Zero key to make readings zero during operations
 - PC Connectivity with Software for data analysis & report generation
 - Data can be converted to excel & Pdf file for further analysis
 - Provision to add experiment name, instrument serial number, test ID, animal sex & 3 readings averaging facility in software report
 - Instrument control panel operates on a 3200mAh rechargeable battery. Fully charged for 15 hours.
 - Digital LED Display
 - Built-in Memory up to 800 Readings can be saved
 - Six units for measurement available: gf, N, Kgf, lb, KN, N.M
(Calibration Required after changing Unit)
- * *For shipping/ transportation of product with inbuilt batter, please verify the country wise air or ocean shipping policies.*

SOFTWARE FEATURES:

- Provision of experiment title, instrument serial number, animal start number and animal end number, animal sex selection so that no need of manual entry of animal number for each animal.
- Software will automatically create the rows from selected animal start number up to the last animal number.
- **Averaging option:** Software will automatically give average of 3 readings if needed.
- **Error code option:** Errors like instrument error, wrong animal number and repeat trial can be coded in front of a particular reading if needed.

SYSTEM SPECIFICATION AND MODELS:

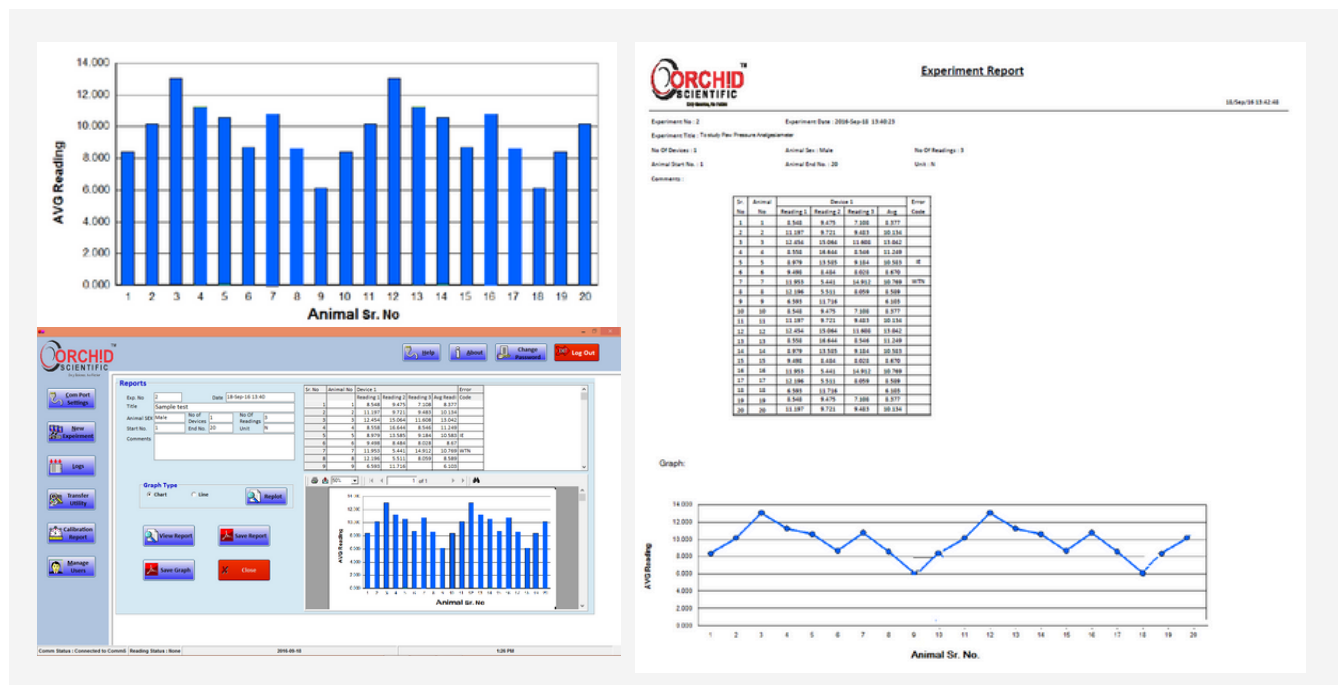
Specification	Model
	PPA01-LI
Capacity	2000 gf
Unit	gf / N / lbf / Kgf / KN / N.M.
Useful for	Forelimbs
PC Connectivity	Type C Cable
Material of composition	Methacrylate, S.S. 304
Certifications	CE Compliant
Power requirements for control unit	Inbuilt re-chargeable battery of 3200mAh with charging using Type C cable Battery life- Can be charged for 1000 times
Power requirements for Stimulation unit	100-240V AC. 50-60Hz, 0.1A

ORDERING INFORMATION:

Model	Useful for	Components included
PPA01-LI	Animal threshold response to pain induced in the paw according to the Randall-Selito test	<ul style="list-style-type: none"> Control Unit Stimulation Unit Pedal Switch Flat and pointed tip points Instruction manual Software for PC Connectivity (Computer / Laptop & Printer to be arranged by user)

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

SOFTWARE REPORT FORMATS :



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