

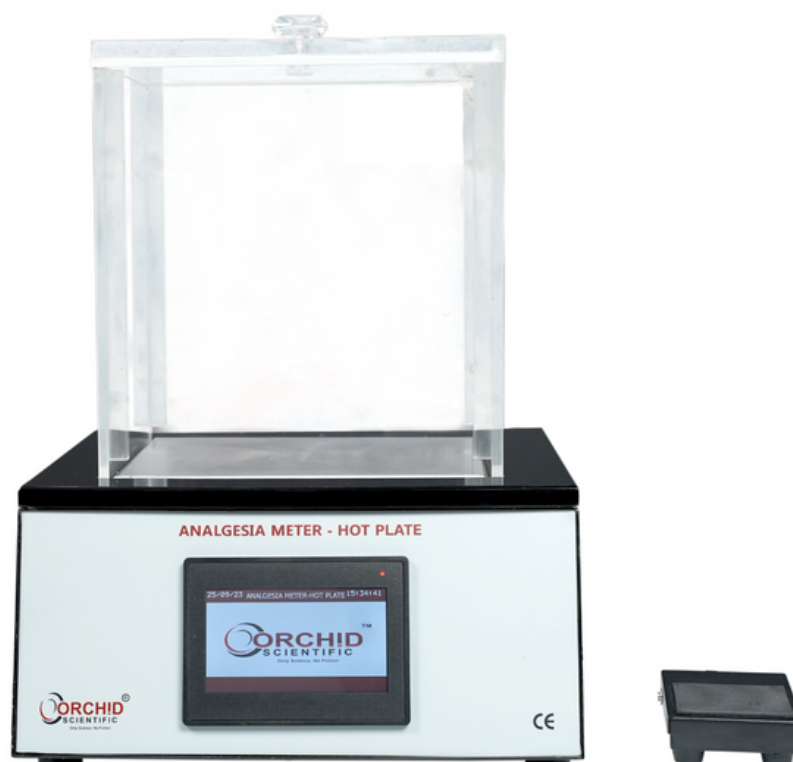
Analgesia Meter (Eddy's Hot Plate Type)

FOR TESTING HEAT-INDUCED PAIN IN MICE & RAT

The Hot Plate Analgesia Meter performs rapid & precise screening of analgesic drug properties on small laboratory animals. Orchid's Hot Plate Analgesia Meter has been developed for both hot plate tests and pain tests. Pain sensitivity to heat is assessed by placing the animal on the top of an aluminum plate and starting the timer. The operator stops the timer at the instant the animal lifts its paws from the plate, reacting from discomfort. The front panel timer displays the latency to react, a measurement of the animal's resistance to pain.



Designed To Performs Rapid & Precise Screening Of Analgesic Drug Properties On Small Laboratory Animals.



FEATURES:

- Plate temperature can be held at a set point between 5°C above ambient to 60°C ($\pm 0.2^\circ\text{C}$).
- Remote foot-switch controls the test start/stop allowing rapid Hands-free experiments.
- Instrument has provision to add max sequence numbers, auto experiment number, and animal sex.

- High-temperature stability and uniform surface heat distribution.
- A built-in timer activated by an external foot switch allows the precise measurement of the reaction time (0.1 Sec. Resolution).
- Precise and reproducible results.
- Cut off the timer to avoid damage to the animal.
- Top LID Sensor to indicate lid is open and thereof avoiding temperature fluctuations.
- PC Connectivity with software.
- Software with calibration and report generation feature.
- Software has provision to add titles, comments, graphical presentations, and data can be converted into Excel or pdf.

SYSTEM SPECIFICATION & MODELS:

Model	Control Unit Dimensions (LxWxH) mm	Plate Dimensions (LxWxH) mm	Animal Enclosure Dimensions (LxWxH) mm	Temperature Range ° C	Reaction Time (Seconds)
EH-01	300x335x128	207x207x10	220x220x250	5°C above ambient to 60°C (± 0.2° C)	Digital timer resolution of 0.1s

**Note: Ambient temperature must be 24-26°C*

ORDERING INFORMATION:

Model	Certifications	Power requirement	Accessories
EH-01	CE Compliant	220/230V AC 50Hz or 110/120V AC 50-60Hz*	<ul style="list-style-type: none"> • Control Panel With Acrylic Chamber. • lid • Foot switch

**Needs to be specified in the order information*

SOFTWARE REPORT FORMATS:

Experiment Report

ORCHID SCIENTIFIC
Only Science, No Fiction

User Name : admin
23-Nov-18 11:45:08 am

Experiment No : 10 Experiment Date : 21-Nov-2018
 Experiment Title : Batch A
 Cutoff time : 6.56 (secs) Set Temperature : 49.0 (°C) Max. Sequence : 5
 Comments : Experiment compiled by Batch A.

SeqNo	Animal ID	Gender	Animal Wt (gm)	Ambient Temp (°C)	Response Time (sec)
1	26	Male	0.00	29.0	5.67
2	26	Male	0.00	29.0	4.62
3	27	Female	0.00	29.0	6.56
4	27	Female	0.00	29.0	4.42
5	39	Female	0.00	29.0	3.36

Response Time (sec)

Seq No

Report

Experiment No: 20 Experiment Date: 14-Dec-2018

Title: Enter Title Here

Set Temperature: 55.0 (°C) Max. Sequence: 10 Cut off time: 20.19 (secs)

Comments: enter comment here

Graph Type: Chart

Seq. No	Animal ID	Gender	Ambient Temp (°C)	Response Time (secs)	Animal Wt (gm)
1	1	Female	21.5	20.19	0.00
2	2	Female	21.5	20.19	0.00
3	2	Female	21.5	13.72	0.00
4	4	Female	21.5	20.19	0.00
5	5	Female	21.5	14.78	0.00
6	5	Female	21.5	9.11	0.00
7	6	Female	21.5	20.19	0.00
8	6	Female	21.5	6.17	0.00

Main Report

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



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