ANALGESIA METER
(EDDY’S HOT PLATE TYPE)
For testing heat induced pain in mice & rat

ORCHID SCIENTIFIC
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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 pain test. Pain sensitivity to heat is assessed by placing the animal on the top of aluminium 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.

Features:

- Plate temperature can be held at a set point between 5°C above ambient to 60°C (±0.2°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 & Uniform surface heat distribution.
- A built-in timer activated by an external foot switch allows the precise measurement of the reaction time (0.01 Sec. Resolution)
- Precise and reproducible results.
- Cut off timer to avoid damage to 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 title, comment, graphical presentation and data can be converted in excel or pdf.
System Specification & Models:

<table>
<thead>
<tr>
<th>Model</th>
<th>Control Unit Dimensions mm (LxWxH)</th>
<th>Plate Dimensions mm (LxWxH)</th>
<th>Animal Enclosure Dimensions mm (LxWxH)</th>
<th>Temperature range °C</th>
<th>Reaction Time Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH-01</td>
<td>300x335x128</td>
<td>207x207x110</td>
<td>220x220x250</td>
<td>5°C above ambient to 60°C (± 0.2°C)</td>
<td>Digital Timer Resolution of 0.01 Sec.</td>
</tr>
</tbody>
</table>

“Note: Ambient temperature must be 24-26°C”

Ordering Information:

<table>
<thead>
<tr>
<th>Model</th>
<th>Certifications</th>
<th>Power Requirements</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH-01</td>
<td>CE Compliant</td>
<td>220/230V AC 50Hz 110/120V AC 50-60Hz*</td>
<td>Control Panel With Acrylic chamber and lid, Foot switch</td>
</tr>
</tbody>
</table>

* Needs to be specified in order information

Software Report Formats:

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

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