HSE-3

Laboratory Heat Sealer

Precision laboratory heat sealer for production of repeatable high quality heat seals and determination of heat seal threshold. Produces seals 5 to 25mm wide and up to 300mm long.

Benefits:
- Choose heat sealing bar configuration, either single (upper) or dual (upper & lower, meets ASTM F2029)
- User can easily change sealing bar for various surface areas or surface finishes
- Accurate and repeatable seals due to precision ground sealing faces and jaw guidance system
- Versatile applications for flexible materials, blister packs and pots
- Low Maintenance - 12 months between calibrations

Features:
- Precise pressure calibration of standard surface area jaw face
- Temperature, pressure and dwell time digital controllers
- Jaws constructed in aluminium and silicone with precision ground faces
- Range of jaw face surfaces including Matched Crimp and Teflon Coating
- Auto cycle feature for greater user convenience with multiple samples

Sealing Bars - Flat Metal, Rubber, and Crimp, with or without Teflon Coating.
# HSE-3 Laboratory Heat Sealer

## Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Seal Width</strong></td>
<td>300 mm max (Option to extend to 350mm)</td>
</tr>
<tr>
<td><strong>Temperature Control</strong></td>
<td>Range: Ambient to 300°C, Accuracy: +/- 0.5%&lt;br&gt; Operating Accuracy: +/-2°C. Single (Upper) sealing jaw temperature control, or Dual (Upper &amp; Lower) sealing jaw temperature control.</td>
</tr>
<tr>
<td><strong>Pressure</strong></td>
<td>Range: 0 to 100psi (6.8bar, 689Kpa), via precision regulator and digital display. Accuracy +/-5%, Repeatability +/-0.02psi. Supply via clean and dry compressed airline or bottled air/nitrogen at 90 to 100psi</td>
</tr>
<tr>
<td><strong>Dwell Time</strong></td>
<td>Range: 0.1 to 99.9 sec., Resolution 0.01 sec</td>
</tr>
<tr>
<td><strong>Auto Cycle &amp; Delay Time</strong></td>
<td>Delay Time Range: 0.1 to 99.9 sec&lt;br&gt;For automatic cycling of sealing bars used in manual production environments. Assists with correct alignment of sample. Electronic processor controlled.</td>
</tr>
<tr>
<td><strong>Jaw Guidance System</strong></td>
<td>Dovetail slide on jaws with quick release mechanism.</td>
</tr>
<tr>
<td><strong>Sealing Jaws</strong></td>
<td>Standard flat jaws 25mm x 300mm, constructed in aluminium with precision ground face. Lower sealing jaw with precision ground silicone rubber face. (See options below)</td>
</tr>
<tr>
<td><strong>Environment:</strong></td>
<td>5-50°C ambient operating temperature, RH 75% max (non-condensing)</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>240V AC 50/60 Hz (110V AC voltage available on request)</td>
</tr>
</tbody>
</table>

## Options

- Single (Upper) sealing jaw temperature control or Dual (Upper & Lower) sealing jaw temperature control
- Sealing jaw dimension/profile as required (inc. Matched crimp 120° x 1.8mm pitch)
- Stainless Steel sealing jaws
- Teflon Coated Tape or Teflon Coated Jaws
- Blister Pack Simulator sealing jaw
- Additional Blister tray
- Footswitch
- PVC Dust Cover
- Alarm package for temperature High/Low, selectable
- Cold seal system
- Digital thermometer with s/s band probe to check jaw temperature (see image)