



### HSB-1 Laboratory Heat Sealer

Laboratory heat sealer for standard determination of heat seal threshold. Produces seals 5-25mm wide and up to 350mm 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 alignment system.

Versatile applications for flexible materials, blister packs and pots.

Low Maintenance - 12 months between calibrations.

#### Features

Pressure calibration of standard surface area jaw face.

Temperature digital controllers, pressure and dwell time dial controllers (upgrade to precision digital controllers as required).

Jaws constructed in aluminium and silicone with precision ground faces.

Range of jaw face surfaces including Matched Crimp and Teflon Coating.

## Specification

### Seal Width

300 mm max. (Option to extend to 350mm)

### Temperature Control

Range: Ambient to 300°C,  
Accuracy: +/- 0.5%, Operating  
Accuracy: +/-2°C. Single (Upper)  
sealing jaw temperature control,  
or Dual (Upper & Lower) sealing  
jaw temperature control.

### Pressure

Range: 0 to 100psi (6.8bar,  
689Kpa), via dial pressure gauge,  
pressure control via precision  
regulator. Operating Accuracy  
+/-10%, Repeatability +/- 5psi.  
Supply via clean and dry  
compressed airline or bottled  
air/nitrogen at 90 to 100psi

### Dwell Time

Range: 0.1 to 99.9 sec., Resolution  
0.01 sec

### Jaw Guidance System

Quick release mechanism for  
simple jaw changeover.

### Sealing Jaws

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)

## Environment

5-50°C ambient operating  
temperature, RH 75% max  
(non-condensing)

## Power

240V AC 50/60 Hz (110V AC  
voltage available on request)

## Dimensions

W 50 x D 35 x H 47 cm, 27kg

## 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).

Upgrade to digital pressure  
transducer/readout, and digital  
dwell timer.

Stainless Steel sealing jaws.

Teflon Coated Tape or Teflon Coated  
Jaws.

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.



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