



### HS-2 Laboratory Heat Sealer

Precision laboratory heat sealer for accurate and repeatable determination of heat seal threshold. The HS-2 is established as the 'industry standard' for this purpose. Produces seals 5 to 25mm wide and up to 50mm 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



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## Specifications

### Seal Width

50 mm max.

### 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 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.

### Dwell Time

Range: 0.1 to 99.9 sec., Resolution  
0.01 sec.

### Auto Cycle & Delay Time

Delay Time Range: 0.1 to 99.9 sec  
For automatic cycling of sealing  
bars used in manual production  
environments. Assists with  
correct alignment of sample.  
Electronic processor controlled.

### Jaw Guidance System

Dovetail slide on jaws with quick  
release mechanism.

### Sealing Jaws

Standard flat jaws 25mm x  
50mm, constructed in aluminium  
with precision ground face.  
Lower sealing jaw with precision  
ground silicone rubber face.

## 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 31 x D 46 x H 50 cm, 24kg.

## 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.

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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