



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 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 , pressure and dwell time dial controllers.

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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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 precision regulator
and digital display. Accuracy
+/-5%, Repeatability +/- 0.02psi .
Supply via clean and dry com-
pressed 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 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 41 x H 49 cm, 28kg.

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.

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