



## HL-5 Low Pressure Heat Sealer

The low pressure heat sealer hl-5 allows you to determine the sealability of coated paper, aluminium foils and laminates as well as other heat-sealable multi-layer films. You can easily determine the optimum sealing parameters for any film types used for pressure-sensitive packaging applications.

### Features

**Five sealing jaws with individual temperature control and settings:** Up to five sealings with different temperature settings can be run simultaneously in one operation.

**Broad temperature range:** For each of the five sealing jaws, you can preset a sealing temperature within the range of ambient to 250 deg C.

**Fast determination of temperature profiles:** By choosing five different sealing temperatures, you can create a complete temperature profile of the sealability in a single test operation.

**Dwell time selectable for the whole range:** For all five sealing jaws, you can preset a dwell time within the range of 0.1 sec to 99.9 sec.

**Variable sealing pressure:** The sealing pressure will be adjusted using sets of weights. By adding disc weights to the standard sealing jaws you can cover a sealing pressure within the range of 0.14 psi to 4 psi (0.1 N/cm<sup>2</sup> to 2.76 N/cm<sup>2</sup>).

**User friendly:** The sealing process is initiated with the press of a button or via a footswitch.

**Good reproducibility of the sealing results:** High-quality components and an auto-tuning PID temperature control ensures reliable results.

**Simple Test Equipment Monitoring:** To assure the reliability of the test results (according to ISO 9001) the HL-5 is calibrated with traceable UKAS test equipment for temperature, pressure and dwell time. With each supply a calibration certificate is enclosed with the machine ensuring the instrument is working to within acceptable tolerances.

**Customisation:** Let us customize your machine to meet your specific test lab requirements.

## Specification

### Electrical connection

230V 50hz, power consumption approx.. 700W (120V 50Hz on request).

### Compressed air

External clean and dry compressed air max. 7 bar.

### Dimensions

W60cm x D45cm x H25cm.

### Weight

28Kg.

### Storage Temperature

5°C to 50°C.

### Operating Temperature

10°C to 40°C.

### Relative Humidity (RH)

not more than 80%, non-condensing  
Sealing Temperature: from ambient up to 250°C.

### Sealing Pressure

0.1 N/cm<sup>2</sup> (0.01 bar) to 2.76 N/cm<sup>2</sup> (0.276 bar) (entire sealing area).

### Dwell Time

0.1 sec to 99.9 sec.

### Sealing Area / jaw

15mm x 30mm.

### Optional accessories

Set of disc weights, 1 set comprising 2 x 100g, 2 x 20g, 5 x 10g, 5 x 2g.

Template for cutting sample for testing.

Seal strength tester for determination of seal strength.



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