

# Laboratory Heat Sealer

Model: L0001 - SPM

*a measurable difference...*

**IDM**<sup>®</sup>  
instruments

This is a compact, easy-to-use Laboratory Heat Sealer, designed to be used for development work to help determine the sealing properties and characteristics of plastic and laminated materials. The Laboratory Heat Sealer is electrically heated and temperature controlled with adjustable sealing pressure, controlled by a timer. Sealing Bars are covered with Teflon for non-stick, and easy clean. Sealing is initiated by a foot switch, powering a pneumatic cylinder to lower the Upper Sealing Bar to seal.

The timer determines the length of time the Sealing Bars will be in contact at the adjusted sealing pressure. Added function to the Lab Heat Sealer will be the ability to burn "C" shape holes into wave seals, during the sealing process.

## Applications:

- Flexible Packaging
- Plastic Films
- Plastic Laminates

## Features:

- Upper heating element controllers for wave jaw assembly
- Upper heating element controller for "C" shape burn through
- Lower heating element controller
- Sealing dwell timer for jaw closure, variable: 0 - 999.9 secs
- Omron Temperature controllers: ambient to 300°C
- Temperature variation across sealing face over 450mm: approximately 10 deg C
- Sealing pressure, variable by air pressure regulator (front panel mounted)
- Foot switch activation
- Safety guard

### Upper wave jaw assembly:

- To be fitted with a "C" shape heating element (hole burn), 100mm in from one end.
- W22mm x L450mm Wave sealing bar with a 2mm pitch (Teflon coated)

### Lower wave jaw:

- To have matching stops to suit "C" punch burn element.
- W22mm x L450mm Wave sealing bar with a 2mm pitch (Teflon coated)



## Connections:

- **Air:** 80 psi Maximum
- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60 HZ  
(please specify when ordering)

## Dimensions:

- **H:** 600mm
- **W:** 350mm
- **D:** 350mm
- **Weight:** 25kg

## Standards:

- ASTM F88