

# HS-2 Laboratory Heat Sealer

Meets ASTM F-2029

**mocon**<sup>®</sup>



## Used to Determine the Heat Seal Threshold, Especially Suited to Flexible Packaging Films

The HS-2 was developed to precisely control the parameters essential in determining the heat seal threshold. The satisfactory development, manufacture, conversion and application of flexible packaging films requires using precise methods of research and quality control. This system is especially suited for flexible packaging materials and features accurate control of temperature, pressure and dwell time of a standard surface area sealing jaw.

Because of its stability, repeatability and reliability, the HS-2 quickly became the industry standard.

### Specifications:

- Temperature:** Digital PID auto-tuning controller, range 0 - 572°F (300°C) with platinum resistance PT100 sensor. Accuracy  $\pm 0.5\%$ . Operating Accuracy  $\pm 0.5\%$  of range.
- Pressure Control:** Precision regulator controller, 0 - 100 PSI repeatability 0.02 PSI. Indication via digital meter and strain gauge transducer. Accuracy  $\pm 0.25\%$ . Operating Accuracy  $\pm 5\%$  of range.
- Dwell Time:** Digital quartz timer, range 0.1 to 10 seconds. Accuracy  $\pm 0.1\%$ . Operating Accuracy  $\pm 5\%$ .
- Delay Time:** Timing relay adjustable 0 - 10 seconds.
- Jaws:** Fitted as standard 12" x 2" (300 x 50mm) ground flat top jaw and silicone rubber (60 shore) bottom jaw. Optional matching ground flat bottom jaw. Optional matching profiled jaws, top and bottom assembly. 120° x 1.8 mm pitch
- Jaw Alignment:** Adjustable in four planes top and bottom
- Pressure Supply:** Min 6 bar (87 PSI), Max 7 bar (100 PSI), Compressed air clean and dry.
- Power:** 110/120 VAC, 50/60 Hz (220 VAC single phase available on request)
- Size:** 12" W x 18"D x 20" H
- Weight:** 55lbs (25kg)

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