



The Model HS-1200-APS Heat Seal Tester with Pneumatic Constant Heat Sealing Bars and Footswitch-Activated Testing

Model HS-1200 Heat Seal Tester

Full-Featured Laboratory Heat Sealers for Film and Sheet

Oakland Instrument offers the Model HS-1200, a simple to use stand-alone, economical tester, for measuring heat sealing properties of film, sheet, and laminated materials. Ideal for production floor checks of proper sealability.

Improved Film and Sheet Quality, Increased Profit Margins

The Model HS-1200 Heat Seal Tester is a proven tool for more closely controlling nominal heat sealing characteristics to speed your:

Production and additives settings and adjustments

Research and development of new film and sheet products

Inspection of incoming film and sheet products

In-process checks to ensure on-spec product for converting operations

The Oakland Advantage

Meets ASTM

Meets specifications of ASTM F-88 Standard Test Method for Seal Strength of Flexible Barrier Materials.

Advanced Technical Features in Each Model

Easy, Manual or Footswitch-assisted Operation

Two versions of operation available: Operate as a manual system or with footswitch-assist for heat seal bar sample clamping.

Flexible Operation for Heat Seal Testing

The HS-1200 is a constant-heat style bar sealer with fully adjustable heating timer, adjustable seal-bar pressure and adjustable temperature for the upper sealing bar (and optional heated lower sealing bar). Sealing bar sizes from 3/8 inch to 1 inch (25 mm) available.

Optional Lower Heat

Add lower heat to your HS-1200 for additional testing flexibility. Sealing bar sizes from 3/8 inch to 1 inch (25 mm) available.

Three Models Available

Best of all, the Model HS-1200 is economically priced and available in three "models": 1) Air pressure adjustment with side-mounted pressure regulator & analog gauge ("Set and Forget"); 2) Air pressure adjustment via front-panel mounted regulator, adjustment knob, and analog gauge; 3) Air pressure adjustment via front-panel mounted regulator, adjustment knob, and digital panel meter.

Oakland Instrument Corp.

Specializes in the design, manufacture and distribution of test and measurement systems for the plastics, packaging, film, sheet and paper industries.

Customer-Driven

We team with our customers to help them solve their quality and process-control problems.

Technology-Based

Our applications knowledge and engineering depth allow us to offer both standard and custom systems based on industry-leading technology.

Specifications

	<u>Model HS-1200-APS</u>	<u>Model HS-1200-APF</u>	<u>Model HS-1200-DPF</u>
Mode of Operation:	Off-line testing/lab use For Film Heat Seals	Off-line testing/lab use for Film Heat Seals	Off-line testing/lab use for Film Heat Seals
Type:	Constant Heat Sealing Bar	Constant Heat Sealing Bar	Constant Heat Sealing Bar
Number of Zones:	Single-Zone Design	Single-Zone Design	Single-Zone Design
Standard Seal Area:	12 in. x 1 in. (25mm) Other Seal Widths Available	12 in. x 1 in. (25mm) Other Seal Widths Available	12 in. x 1 in. (25mm) Other Seal Widths Available
Sealing Bar:	Upper Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC	Upper Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC	Upper Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC
Lower Heat:	Optional Lower Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC	Optional Lower Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC	Optional Lower Heating Bar w/ Independent Digital Temperature Controller, 600 W, 115 VAC or 230 VAC
Temperature Control:	Surface Mounted Thermocouple	Surface Mounted Thermocouple	Surface Mounted Thermocouple
Sealing Temp. Range:	Ambient to 400° F	Ambient to 400° F	Ambient to 400° F
Countdown Timer:	Digital Timer	Digital Timer	Digital Timer
Test Activation:	Electronic Timer Activation plus Footswitch Activation, Footswitch Included	Electronic Timer Activation plus Footswitch Activation, Footswitch Included	Electric Timer Activation plus Footswitch Activation, Footswitch Included
Bar Pressure Control:	Analog Pressure Regulator / Gauge, 0 – 160 psi, ¼ NPT, Side-Mounted on Heat Sealer Enclosure "Set and Forget"	N/A Precision Air Regulator & Adjustment Knob, Front-Panel Mounted, Analog Pressure Gauge, 0 – 100 psi, Front-Panel Mounted	N/A Precision Digital Press. Transducer Digital Pressure Display, LED 0 – 100 psi Front-Panel Mounted
Air Actuation:	Dual Action Cylinder, Pneumatic, Upper Sealing Bar	Dual Action Cylinder, Pneumatic, Upper Sealing Bar	Dual Action Cylinder, Pneumatic, Upper Sealing Bar
Air Accumulator:	N/A	N/A	5 in. Dia. X 6 in. Ht.
Air Requirements:	90 psi Plant Air, Filtered to remove oil & water Pressure Gauge and Regulator Mounted on side of Heat Sealer Enclosure	90 psi Plant Air, Filtered to remove oil & water Course Pressure Gauge and Regulator Mounted on side of Heat Sealer Enclosure	90 psi Plant Air, Filtered to remove oil & water Course Pressure Gauge and Regulator Mounted on side of Heat Sealer Enclosure
Safety Features	Only line voltage component is Heating Element. All other components are 24 VDC. All enclosure sheet metal grounded to copper ground plate. E-stop Switch. Back panel power cutoff switch. Safety Shields w/ 0.30 inch gap		
Power Requirements:	115 VAC / 60 Hz, 230 VAC / 50Hz Consult factory for options	115 VAC / 60 Hz, 230 VAC / 50Hz Consult factory for options	115 VAC / 60 Hz, 230 VAC / 50Hz Consult factory for options
Full Load Current:	8 amp	8 amp	8 amp
Interrupting Capacity:	10 amp	10 amp	10 amp
Overall Dimensions / Wt.:	16.00 in. W x 13.25 D x 22.50 H 80 lbs	16.00 in. W x 13.25 D x 22.50 H 80 lbs	16.00 in. W x 13.25 D x 22.50 H 80 lbs
Packaging Dimensions / Wt.:	24 in. W x 21 in. D x 26 in. H Box strapped to skid using 40 in. x 48 in. x 5 in. pallet (Heat-treated wood), 135 lbs	24 in. W x 21 in. D x 26 in. H Box strapped to skid using 40 in. x 48 in. x 5 in. pallet (Heat-treated wood), 135 lbs	24 in. W x 21 in. D x 26 in. H Box strapped to skid using 40 in. x 48 in. x 5 in. pallet (Heat-treated wood), 135 lbs

Ordering Information

BROHS1200-0923
Oakland Instrument Corp.
5220 12th Avenue East
Minneapolis, Minnesota 55379 USA
Tel & Fax (952) 835-4935
Email: sales@oaklandinstrument.com
WEB: www.OaklandInstrument.com