



Thwing-Albert Instrument Company

More Than a Century of Testing Solutions

Heat Sealer TAS-1

Precision Heat Sealer on an open-back frame featuring a digital timer and temperature controller, surface mounted thermocouple, dual action cylinders, electronic timer activation. The open-back frame allows for both front-to-back and lateral pass-thru capabilities. The standard instrument includes one flat upper sealing die 1" wide.

Available Options:

Power Options: 110 V, 60 Hz or 220 V

Serrated Sealing Dies (1" width only) are available with options for both type and direction of serrations.

- Coarse serrations (6.5 serrations/inch)
- Fine serrations (20 serrations/inch)
- Crosswise (perpendicular to 12" length)
- Lengthwise (parallel to 12" length)
- Available flat surface die widths 1/8", 1/4", 3/8", 1/2", and 1"



This model offers one flat upper sealing die 1" wide

Cycle-Hold Mechanism allows the operator to engage a locking mechanism which will hold the jaws together at the end of a cycle for any length of time until the operator triggers the release switch on the front panel.

Short-Cycle Indicator will disable the sealer anytime that a seal cycle is terminated before the entire programmed dwell time has fully elapsed, indicating to the operator that the last item sealed has a potentially inadequate seal.

Temperature Alarm high/low settings with lockout/reset feature.

12" x 12" Removable Work Surface provides an area to prepare the material that is to be heat sealed.

Removable Backstop is mounted to the machine frame which will provide a positive stop behind the seal die.

Adjustable Backstop can be permanently mounted inside the machine. The position of the back stop behind the seal die (adjustable from 7/8" to 12" back from the center line of the seal die) is adjustable through an access hole in the back of the machine.

Consumables Replacement Package is comprised of basic wear items including four (4) upper glass cloth assemblies, two (2) lower glass cloths, one (1) thermocouple and one (1) lower silicone rubber pad.

Specifications subject to change without notice.



Physical Specifications

Standard Base Size (W x D):	12" Model	24" Model
	412.8 x 492.3 mm 16.25" x 19.38"	692.2 x 492.3 mm 27.25" x 19.38"
Machine Height:	536.7 mm (21.13")	536.7 mm (21.13")

Note: All dimensions are for reference only.

Operational Specifications

Timing Range:	12" Model	24" Model
	0.01 to 99.99 seconds	0.01 to 99.99 seconds
Repeat Accuracy:	±0.2 seconds	±0.2 seconds
Temperature Range:	Ambient to 400°F	Ambient to 400°F
Model TAS/1 Display Accuracy:	±2% of Setpoint	±2% of Setpoint
Temperature Profile Range:	+2% of Actual	4% of Actual
Pressure Range:	5 to 100 psig	5 to 100 psig
Regulator Repeatability:	±3.6 psig	±3.6 psig
Model TAS/1 Gauge Accuracy:	2 ½ % of Full Scale (IAW ASME/ASNI B40.1, Grade A)	
Electrical Requirements:	100-130 Volts AC, 15 Amps, 60 Hz, 1 Phase Note: 220V 50 Hz Optional	
Pneumatic Requirements:	125 psig MAXIMUM (Compressed air, CO2 or Nitrogen.)	

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