

**SENCORP CeraTek™
P-SERIES LABORATORY HEAT SEALER**

GENERAL INFORMATION

The P Series, Model P and PV heat sealers were designed for laboratory experimentation, quality control sealing, testing, and production use. These units will seal coated or laminated materials.

Control and monitoring of various sealing parameters are easily accessible using the panel-mounted, touchscreen interface for the microprocessor controller. Precise temperatures are maintained by a high speed thermocouple heat regulator. The foot switch allows the operator to run the system in an easy, efficient manner. The locking key switch on the front panel controls access to program settings and alarms, and the sealing pressure is adjusted using either a touchscreen function or a manual pressure regulator mounted on the front panel.

Dimensional Specifications

12 inch

24 inch

Machine "Footprint"	16.25" W x 18.5" D x 19"H (413 x 470 x 483 mm)	27.25"W x 18.5"D x 19"H (692 x 470 x 483 mm)
Thermal Die Size (Seal width per customer spec.)	12" or 24"W (305 or 610mm) (See notes on Spare Part List)	

Operational Specifications

Timing Range	0.01 to 99.99 seconds/minutes (general) 0.01 to 99.99 seconds/minutes (seal)
Seal Timer Repeatability	±0.05 seconds
Temperature Range	Ambient to 400°F (204°C)
Temperature Control Accuracy	±2% (Referenced @ the center of the sealing bar using the T/C output jack.)
Pressure Range	0 to 100 psig (0 – 6895mBar)
Pressure Display Accuracy*	1% @ 80psi, ±2 psi across entire range
Pneumatic Requirements (air, CO ₂ , or Nitrogen)	125 psig MAXIMUM (8618mBar)
Gas Flush Requirements (Model PV) (Supply pressure)	50 psig MAXIMUM (3447mBar) 14.5 psig nominal (995mBar)
Pressure Sensor Accuracy	±3.5psig @ Full Scale (± 172 mBar)
Pressure Sensor Linearity	± 1psig @ Full Scale (± 69mBar)
Electrical Power Requirements	100-130 Volts A/C, 15 Amps, 50/60 Hz, 1 Phase NOTE: Also available with international 220 volt power conversion.

***NOTE:** Pressure accuracy specified after adjustment of Offset (Process Bias Adjustment)

All specifications are subject to change without notice.