



Heat Sealer TS-4 with Interchangeable Seal Jaws

Model 75-59

The TS-4 is a laboratory Heat Seal tester used to prepare heat seal samples for the measurement of sealing strength of flexible packaging films, film foil laminates, nonwovens and other substrates.

The TS-4 Heat Seal tester produces consistent and accurate seals utilizing a precision load cell system which measures and displays the total force applied to the film sample. An integrated Digital Electronic Controller displays sealing force, load tare functionality, and dual selectable timer set points.

The 75-59 TS-4 features interchangeable seal jaws:

- This unit can be used with quick change interchangeable jaws
- Optional selectable on/off switch for lower temperature controller

Standard Features:

- Digitally controlled temperature
- Digitally controlled dwell time
- Independent upper and lower sealing temperatures
- Footswitch
- Safety guards and switches for safe operation
- Digital Seal Pressure Output display
- Switch selectable Dual set points for timer activation
- Conforms to ASTM F2029 Standard Practices for Making Heatseals for Determination of Heatsealability of Flexible Webs as Measured by Seal Strength

Optional Seal Jaws (Sold separately)

- One set of quick-change upper and lower seal jaws 25.4x101.6mm (1x4in) (steel-dyclad coated), other sizes available, please specify
- One upper quick-change steel jaw (dyclad coated) and one lower quick-change (polymer) seal jaw 25.4x101.6mm (1x4in)
- One set of quick-change upper and lower seal jaws with special pattern, please specify

Optional Film Sample Loading Devices

Shelf Film sample tray

- Stationary one-piece design

Manual Sliding Tray

- Precision bearing guided slide table design
- Magnetic film sample hold down

Technical Specification:

Heat Sealer TS-4 75-59-00-0001
with Interchangeable Seal Jaws

Sealing Temperature

Range	Ambient 205°C (400°F)
Resolution	0.1 Degrees

Sealing Force

Range Minimum	9kg (20lb)
Range Maximum	72.5kg (160lb)
Resolution	0.1

Sealing Dwell Time

Range Minimum	100ms
Range Maximum	99s
Resolution	10ms

Load Cell

Capacity	136kg (300lb)
Accuracy	0.09kg (0.2lbs)
Repeatability	0.09kg (0.2lbs)
Calibration	5-Point Accredited

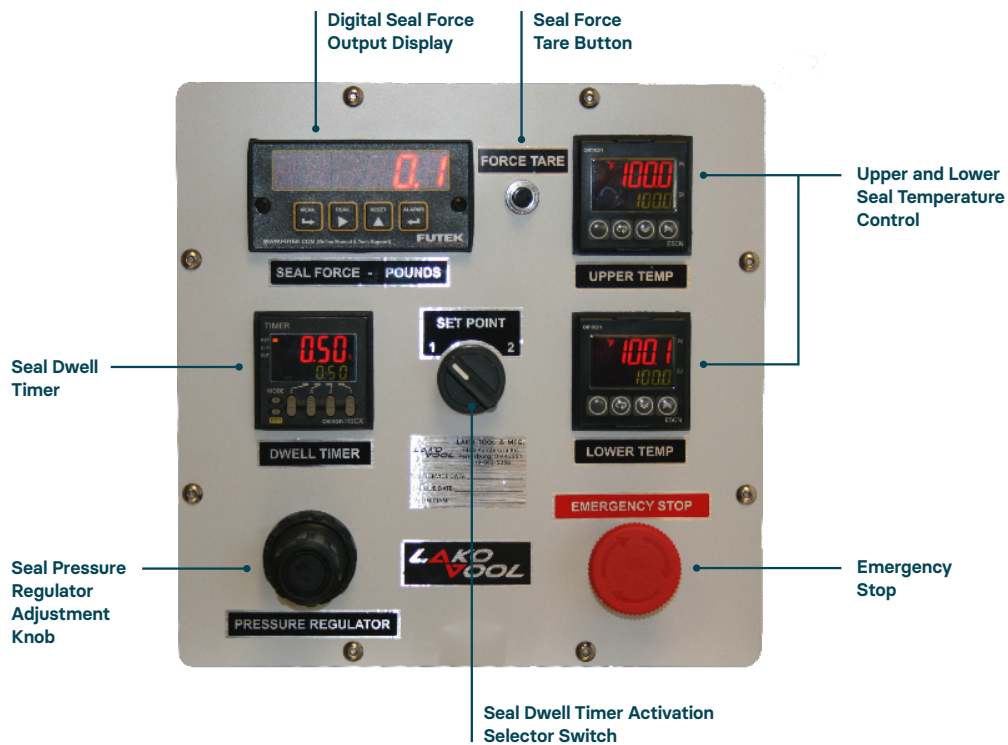
Machine Requirements

Power	110V to 240VAC 50/60Hz
Air (clean, dry)	621–827 kPa (90–120PSI) 689kPa (100PSI) Recommended

Physical Specifications

WxDxH	25.4x30.4x54.6cm (10x12x21.5in)
Weight	Approx. 20.4kg (45lbs.)

Front Control Panel



TS-4 shown with optional manual sliding tray



Footswitch & power input connections

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com