

The Thermo Scientific ALPS 25 manual heat sealer is a simple to use, hand-operated sealer designed for low-throughput environments. Heat sealing offers superior sample protection of storage and reaction plates in applications including compound storage, sample archiving and PCR.

Thermo Scientific ALPS™ 25 Manual Heat Sealer



Sealing Flexibility. The Thermo Scientific ALPS 25 manual heat sealer is compatible with virtually any height microplate or block, including PCR plates. Choose from a wide range of heat seals, including piercable, optically clear and permanent, for any application.

Operation Safety. Built-in thermostat controls trigger automatic system shutoff to prevent overheating of the ALPS 25 sealer.

Compact Design. For ease of placement and relocation, the ALPS 25 sealer is lightweight and has a small footprint.

Knowledgeable Support. Our team has a strong reputation for supporting both equipment and consumables, and can demonstrate the ALPS 25 sealer in your laboratory, as well as determine which seal is best for your application.

Thermo Scientific ALPS 25 Manual Heat Sealer

Dimensions (W x D x H)	5.5"/140 mm x 13"/330 mm x 5.9"/150 mm
Weight	7.5 lbs/3.4 kg
Power Supply	5A (AB-0384/110); 3.15A (AB-0384/220)
Fuse	500 W (AB-0384/110); 400 W (AB-0384/220)
Operating Humidity Range	10-80%
Sealing Temperature Range	Ambient to 220 °C
Operating Temperature Range	10 °C to 35 °C

Seals

Item No.	Description	Characteristics	Compatible Plate Material	Sealing Conditions	Seal Integrity Range	Applications
AB-0559	Thermo-Seal	Foil laminate; very strong seal that can only be peeled using the Foil Stripper (see ordering information below); can be pierced with a single pipette tip or Pierce Plate (see ordering information below); good solvent resistance; recommended for use with DMSO	PP	1.5 to 2.5 seconds at 165 °C to 170 °C	-80 °C to 120 °C	Long term storage including storage at low temperatures; transportation and high temperature applications such as PCR, including use in waterbath thermal cyclers
AB-0757	Easy Pierce	Foil material; easily pierced; peelable bond that can be removed by hand; second seal can be applied over existing seal; recommended for use with DMSO	PP, PE	0.5 to 3.0 seconds at 165 °C to 175 °C	-80 °C to 80 °C and up to 120 °C with cycler lid pressure	Well suited for 384-well formats where piercing is a useful method for sample retrieval; second seal can be applied over existing seal; suitable for PCR with screw-down lid
AB-1720	Easy Pierce 20 µm	Thin foil material; easily pierced; peelable bond that can be removed by hand; good solvent resistance; recommended for use with DMSO	PP, PE	0.5 to 2.0 seconds at 165 °C to 175 °C	-80 °C to 80 °C and up to 120 °C with cycler lid pressure	Well suited for 384-well formats where piercing is a useful method for sample retrieval; suitable for PCR with screw-down lid
AB-0745	Easy Peel	Foil laminate; difficult to pierce; peelable bond that can be easily removed by hand, but forms weld with PE plates; can be removed and new seal applied several times; some solvent resistance and suitable for DMSO use below 4 °C	PP, PE, COC	1.5 to 2.5 seconds at 165 °C to 170 °C	-200 °C to 90 °C and up to 120 °C with cycler pressure	Ideal for long term storage at low temperatures; seal can be applied, removed and a new seal applied several times; suitable for PCR with screw-down heated lid thermal cyclers only
AB-1797	Clear Seal	Thin polymer material; able to be pierced; peelable seal when layered; good optical clarity; some solvent resistance	PP, PS, PE	1.5 seconds at 170 °C	-80 °C to 80 °C and up to 120 °C with cycler pressure	Suitable for fluorescence and colorimetric applications; suitable for PCR applications with screw-down or clip-down heated lid thermal cyclers only
AB-0812	Clear Seal Diamond	Thin polymer material; peelable seal; good optical clarity; some solvent resistance	PP, PS, PE, COC	1.5 to 3.0 seconds at 170 °C	-80 °C to 120 °C	Ideal for fluorescence and colorimetric applications; suitable for PCR applications with screw-down or clip-down heated lid thermal cyclers only
AB-0685	Clear Seal Strong	Clear laminate; weld seal that cannot be peeled or pierced; good optical clarity and solvent resistance; recommended for use with DMSO; clear for sample inspection	PP	1.5 to 2.0 seconds at 170 °C	-80 °C to 120 °C	Clear for sample inspection; due to strong unpeelable seal properties, it is suitable for storage and disposal of hazardous material; also suitable for PCR applications

Ordering Guide

Item No.	Description	Qty
AB-0384/110	ALPS 25 Manual Heat Sealer, 100 V	Each
AB-0384/220	ALPS 25 Manual Heat Sealer, 220 V	Each
AB-0563/1000	96-Well PCR Plate Carrier	Each
AB-0579	96-Pin Pierce Plate	Each
AB-0592	Foil Stripper	Each
AB-0724	384-Well PCR Plate Carrier	Each
AB-0827	Standard Microplate Carrier	Each
AB-1118	V Bottom 96-Well Storage Plate Carrier	Each
AB-1177	ALPS 25 Sealer Stand and Shuttle Assembly Upgrade*	Each

*For instruments manufactured prior to 2003.

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