



## Thermo Scientific ALPS30 Manual Heat Sealer

<b>Catalog No.</b>	AB-0400
<b>Dimensions (W x D x H), mm/in</b>	220 x 250 x 230 /8.7 x 9.8 x 9.1
<b>Weight kg/lb</b>	4 /8.8
<b>Operating Temperature Range</b>	+18° to 30°C
<b>Sealing Temperature Range</b>	170°C (Non-adjustable) $\pm 2^\circ$
<b>Operating Humidity Range</b>	20% to 80% non-condensing
<b>Power Supply</b>	110-120 / 220-230 VAC nominal IEC C13, 3-Core, 5A min
<b>Fuse Ratings and Size</b>	(115) T3.15AH 250V 20x5mm (230) T1.6AH 250V 20x5mm

Three adapters are included to accommodate most plate types:

- PCR Plates
- Deepwell plates and blocks
- Standard-height 96- or 384-format plates

### Compatible Seals

Catalog 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 cyclers 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 $\mu$ m	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 cyclers 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 cyclers 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 cyclers 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

[thermoscientific.com](http://thermoscientific.com)

© 2015 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.

**Asia:** Australia: 1300-735-292; New Zealand: 0800-933-966; China +86-21-6865-4588 or +86-10-8419-3588; China Toll-free: 800-810-5118 or 400-650-5118; Singapore +65-6872-9718; Japan: +81-3-5826-1616; Korea +82-2-2023-0640; Taiwan +886-2-87516655; India: +91-22-6680-3000 **Europe:** Austria: +43-1-801-40-0; Belgium: +32-2-482-30-30; Denmark: +45-4631-2000; France: +33-2-2803-2180; Germany: +49-6184-90-6000; Germany Toll-free: 800-1-536-376; Italy: +39-02-95059-554; Netherlands: +31-76-571-4440; Nordic/Baltic/CIS countries: +358-10-329-2200; Russia: +7-(812)-703-42-15; Spain/Portugal: +34-93-223-09-18; Switzerland: +41-44-454-12-12; UK/Ireland: +44-870-609-9203  
**North America:** USA/Canada +1-585-586-8800; USA Toll-free: 800-625-4327  
**South America:** USA sales support: +1-585-586-8800 **Countries not listed:** +49-6184-90-6000 or +33-2-2803-2000

**Thermo**  
SCIENTIFIC

A Thermo Fisher Scientific Brand