

Overview

- With variable temperature and time settings, sealing conditions are easily optimized to produce a 100% seal, eliminating sample loss
- Plate and seal are placed on the holder, the "Operate" button pressed and the drawer automatically closes
- The sealing process is controlled by an electric mechanism; this unique feature eliminates operator variation, giving a consistent seal every time and reducing the damage caused to microplates by over-sealing

Key Features

Real time display

- Rapid heating element to allow for a quick start up within minutes
- Real time temperature display to allow monitoring of heating process

Energy saving functions

- When idle, unit automatically switches to standby mode: heating element temperature reduces to 60°C to save energy
- When idle for longer periods, it automatically switches off for added safety
- Triggering of standby and switch off modes can be adjusted to suit user's needs

Plate adapters and sealing aids

- Triggering of standby and switch off modes can be adjusted to suit user's needs
- Unique and cost saving adapter system
- Included standard plate carrier (59-2001) for sealing deep well plates and most skirted plates
- Additional plate carrier (59-2003, optional extra) for all 96 well PCR plates
- Both plate carriers can be combined for easier handling of shallow well plates, e.g. 384 well PCR plates
- For better sealing of films with a tendency to curl, 4titude offers sealing aids
- A weighted platen (59-2008) for use with deep well blocks can be ordered separately
- A sealing frame for use with all other plate designs is supplied when ordering the optional 59-2009 adapter
- The sealer allows for sealing of [Random Access Plates](#) with the corresponding [Random Access Heat Seals](#) using the Random Access adapter (59-2005)

Plate formats

- SBS standard polypropylene and polystyrene plates and deep well blocks
- PCR plates including skirted, semi-skirted and non-skirted formats
- [Random Access PCR Plates](#)

RS-232 port for automation integration

- RS-232 port enables unit integration into most automated systems

Specifications

Parameter	IntelliXseal™ SA Semi-Automatic Sheet Heat Sealer
Dimensions (W x L x H)	181 x 275 x 310mm
Sealing temperature range	60-200°C
Weight	9kg
Voltage	110/230V
Power	300W (max)

Ordering Information

Use these part numbers to [request a quote](#):

Part number	Description
IntelliXseal™ SA Semi-Automatic Sheet Heat Sealer	
Semi-automatic sheet heat sealer compatible with a wide range of seals and microplates, PCR and assay plates, as well as storage plates of differing designs and heights	
59-2000 <i>Buy this product on GENEWIZ</i>	Includes: universal power supply, power cord, manual, standard plate support adapter (59-2001), 12 month parts and labor warranty; 1 unit
IntelliXseal SA adapters and accessories	
59-2008	IntelliXseal SA Weighted Sealing Platen; for holding down sealing sheets that have a tendency to curl; 1 platen
59-2009	IntelliXseal SA Sealing Frame; for use with Plate Support Adapter, PCR 96 (59-2003); 1 frame
59-2005	IntelliXseal SA Plate Support Adapter, Random Access; for Random Access seals; 1 adapter
59-2001*	IntelliXseal SA Plate Support Adapter, Standard; for skirted 96 and 384 well plates; 1 adapter
59-2002	IntelliXseal SA Plate Support Adapter, Roche 1536; for Roche 1536 well PCR plates; 1 adapter
59-2006	IntelliXseal SA Plate Support Adapter, Storage 96 and 384; for 96 and 384 well storage plates; 1 adapter
59-2004	IntelliXseal SA Plate Support Adapter, PCR 384; for 384 well PCR plates; 1 adapter
59-2007	IntelliXseal SA Plate Support Adapter, PCR 96 MPL; for 4ti-LB0109 and 96 well PCR plates; 1 adapter
59-2003	IntelliXseal SA Plate Support Adapter, PCR 96; for 96 well PCR plates; 1 adapter

*These items are included with the IntelliXseal SA heat sealer (product code code 59-2000)