LiCONiC INSTRUMENTS





STR44

STR Periscope

- STR Star Layout
- Very Compact Integration
- Suitable for Crystallization

StoreX Series

STR44

Stable and Precise Climate Conditions

The STR44 is the smallest member of the STR family. Its 44 MTP capacity makes it perfectly suitable for small-scale integration, highly miniaturized applications or short-term incubation assays.

The STR44 is ideal for protein crystallization work because the stationary cassettes with the Star concept allow the periscope to be the only moving part, reducing the vibration and movement of the samples. In addition, the STR44 allows full remote access to handling and climate functions, while the cassettes and samples remain manually accessible through the large front door for loading and unloading.

Like all members of the StoreX Star family, the STR44 can be equipped with various types of further options and a wide selection of useful accessories.

Climate Options

Type	Temperature	Humidity	Remarks	Description	Order No. Bench Top
STR44-IC	34..50°C	max. 95%	1) 7) 8) 9)	Incubator	9147 00 20
STR44-HC	04..25°C	max. 90%	1) 5)	Humid Cooler	9147 00 21
STR44-DC2	04..25°C	04..50%	1) 3) 5)	Dry Storage	9118 12 59
STR44-HR	04..50°C	85..95%	1) 5) 9)	Humid Wide Range	9147 00 22
STR44-DR2	04..50°C	02..50%	1) 3) 5) 9)	Dry Wide Range	9147 00 37
STR44-AR	04..50°C	15..95%	1) 2) 5) 6) 9)	Humidity Controlled	9147 00 38
STR44-DF	-20..0°C	02..45%	1) 4) 5)	Deep Freezer	9118 12 49
STR44-NC	N/A	N/A	N/A	No Climate	9147 00 43
STR44-DH	04..50°C	2..30% / 70..95%	1) 8) 9)	Dry Humid	9118 41 53

All specifications at 22°C, 45% rH, free-standing.

1) Important information: To ensure optimal operation, it is necessary to specify all temperature and humidity set points when ordering
2) Humidity is adjustable
3) Adjustable dehumidification
4) Up to +20°C on request
5) Humidity depends on temperature setting
6) MANDATORY REQUEST: All temperature and humidity operation set points must be specified
7) The lower reachable operation temperature depends on the instrument`s ambient temperature and its mechanical integration. It may also be affected when combined with Shaker or Wave options or special internal lift configurations
8) Minimum temperature >12°C above ambient
9) HT-Option extended temperature range >70°C available

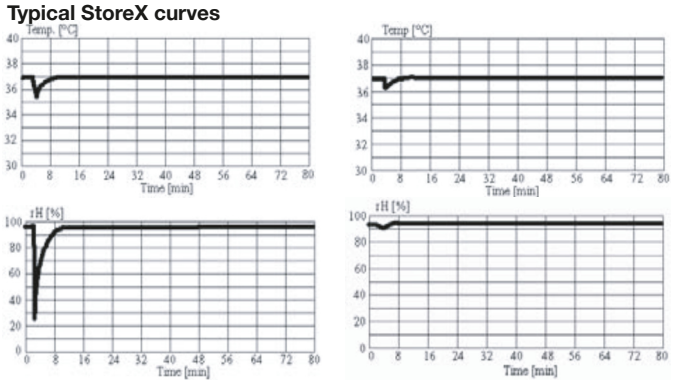
The climate information in the above table is of indicative nature only. For details, always contact LiCONiC Sales or Applications and have the information on your planned set points ready.

Access

Through the full-sized user door

Through the small robotic gate

Typical StoreX curves



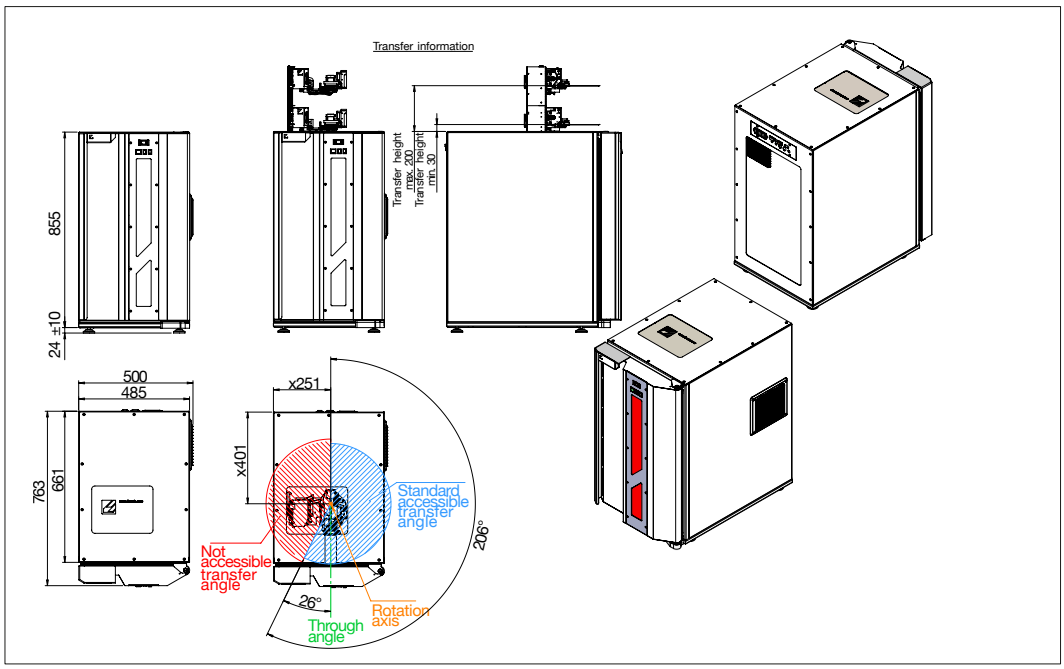
Options

	Order No.	Gassing Option	Order No.
High temperature 70°C capability	9118 11 02	CO2, Fast - 0%- 10%	9118 11 12
Bar Code Reader option incl. Plate Presence sensor	9118 11 03	CO2, Fast - 0%- 20%	9118 48 41
Plate Presence sensor	9121 00 62	Fast N2	9118 11 13
Plate overweight kit 300-800g	9118 13 83	Fast O2	9118 11 14
iMotion access speeds for critical applications	9111 10 00	Additional N2	9118 11 11
Ultra high speed (48V upgrade kit)	9118 16 31	O2, 1% - 10%	9118 11 08
Liconel self decontaminating incubator chamber	9118 12 44	O2, 1% - 20%	9118 48 42
N-Way decontamination	9118 39 03	Wave option incl. controller	see separate product flyer
Steam injection	9118 11 16	Various Shaking options	see separate product flyer

Capacity

Plate Type	Plate Height	Plate Capacity of Unit
NTP	5 mm	90
	11 mm	60
1536	12 mm	56
MTP	17 mm	44
	22 mm	36
	23 mm	34
	24 mm	34
	27 mm	30
DWP	44 mm	20
	53 mm	16
DiTi200	66 mm	14
DiTi1000	104 mm	8

Dimensions



LiCONiC INSTRUMENTS

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Patented technology

Information within this document is subject to change without prior notice.
Specification values without tolerances assume a +/- 10% tolerance.
For details please contact our applications team: sales@liconic.com