

# STR602

## Description

This unit was originally designed for high throughput protein crystallization. By using the Star concept it allows maximum capacity and configuration. The delivery gate can be on the rear right/left or in rear center.

This allows the unit to be positioned in the desired location. Multiple gates are also possible. The STR602 features LiCONiC's new Flush Gate that simplifies integration by omitting any obstacle in the Gate area.

The STR602 is ideal for protein crystallization work because the **carrousel can be stationary with the Star concept allowing the inner rotation the only moving part, reducing vibration and movement of the samples.**

While allowing full remote access on handling and climate functions, you still are able to manually access the cassettes and samples through the large front door for loading and unloading your product. For better access to cassettes located in the back of the incubation chamber the integrated carrousel maybe positioned automatically or be rotated manually.

The STR602 Series supports a wide temperature and humidity range. Namely the STR602 is available as IC (Incubation), HC (high humidity

cold storage), DC (dry, low humidity cold storage, HR (high humidity wide temperature range incubator), DR (dry, low humidity wide temperature range storage) and AR (adjustable humidity). The mechanical dimensions of all STR602 are identical and independent of any [Climate Options](#).

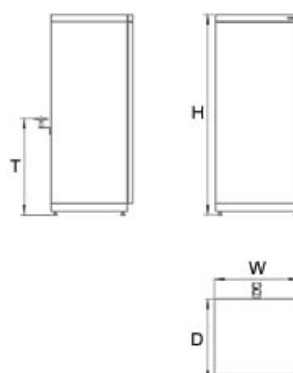
Like all members of the StoreX Star family the STR 602 can be equipped with a large number of further options and a wide selection of useful accessories. For details please refer to [Options](#) or [Accessories](#).



## Capacity

Plate Type	Plate Height	Capacity
NTP (Nanotiter Plates)	5 mm	1100
	11 mm	740
1536	12 mm	700
MTP (Microtiter Plates)	17 mm	560
	22 mm	460
	23 mm	440
	24 mm	420
	27 mm	380
DWP (Deep Well Plates)	44 mm	240
	53 mm	200
DiTi200	66 mm	160
DiTi1000	104 mm	100

## Dimensions



Width (W)	850 mm
Depth (D)	820 mm
Height (H)	1965* mm
Transfer Height (T)	970 mm

\* add 20 – 45 mm for feet

## Climate

Type		Temperature	Relative Humidity		Order Nr.
STR602-IC		33..50°C (70°C)	max. 95 %	Incubator	9141 01 79
STR602-HC	1)	04..25°C	max. 90 %	Humid Cooler	9141 01 80
STR602-DC2	1) 3)	04..25°C	04..50 %	Dry Storage	9141 02 27
STR602-HR	1)	04..50°C (70°C)	90..95 %	Humid Wide Range	9141 01 81
STR602-DR	1) 3)	04..50°C	02..50 %	Dry Wide Range	9141 02 12
STR602-AR	2)	04..50°C	20..90 %	Humidity Controlled	9141 02 26
STR602-DF	1)	-20..0°C 4)	04..45 %	Deep Freezer	9141 01 83
STR602-NC		-	-	No Climate	9141 02 30

1) Humidity depends on temperature setting

2) Humidity adjustable

3) Adjustable dehumidification

4) up to +20°C on request

## Specifications

Specifications		STR602-IC	STR602-HC	STR602-DC2	STR602-DR	STR602-HR
Application		Incubation	Humid Cooling	Dry Storage	Dry MultiRange	Humid MultiRange
Plate Capacity	Microtiter			44		
	Deep Well			18		
	Nanotiter			84		
Temperature Range (HT)	°C	33..50 (70)	4..25	4..25	4..50	4..50 (70)
Temperature Deviation	°C	+/- 0.2	+/- 0.5	+/- 1	+/- 1.5	+/- 0.3
Relative Humidity	%	max. 95	max. 90	04..50	02..50	90..95
Access Time HS/UHS	Sec	<15.3 / <10.3				
Access frequency HS/UHS	Acs/h	>120 / >160				
Communication		RS232 V24, 9600Baud, ASCII				
User Software		Win32 / Windows NT / Windows2000				
Facility Requirements		100V / 50Hz; 115V / 60Hz; 230V / 50 Hz; Switchable				
Power Consumption	W	450	400	400	700	500

## Options

	Order Nr.
High temperature 70 degrees Celsius capability	9122 06 06
Bar Code Reader Option	9122 06 03
Plate Presence Sensor	9121 00 62
Fast access for time critical applications	9122 06 04
Disposal Tips upgrade kit up to 100 mm height	9118 12 23
UCI Universal Communications Interface	9118 11 17
Liconel self decontaminating incubation chamber	9141 01 78
n-Way Decontamination Option	9122 05 28
Steam Injection Option	9118 11 16
Proteomics additional inner rotation for plate transport, minimized vibration of probes	9141 01 85
Option Linbro Plate Handling	9141 01 86
Fast CO2 Gassing Option	9118 11 12
Fast N2 Gassing Option	9118 12 13
Fast O2 Gassing Option	9118 11 14
Additional CO2 Gassing Option	9118 11 07
Additional N2 Gassing Option	9118 11 11
Additional O2 Gassing Option	9118 11 08
Side Gate on left side wall, side transfer location seen from front user door	9141 01 87
Side Gate on right side wall, side transfer location seen from front user door	9141 01 88
Linear Shaker / Probe agitation for cell and compounds solution Amplitude 1-100mm, 12-300 rpm	9141 02 19

## Accessories

	Order Nr.
Standard MTP cassette, 28 levels, pitch=23mm inverted, all stainless steel	9141 01 89
Deep-well cassette, 13 levels, pitch=50mm inverted, all stainless steel	9141 01 90
Custom Size cassette, nn levels, mm pitch (specify plate height), inverted, all stainless steel	9141 01 91
Linbro Plate cassette, 19 levels inverted, all stainless steel	9141 01 92
Side Transfer Station, transport from incubation chamber to the external environment	9141 01 94
Slide and Turn Transfer Station, transport from incubation chamber to the external environment, rotates plate from portrait to landscape 90 degrees	9141 01 95
STX Driver	9118 12 48
STX Driver and Database	9600 00 01
STX GUI incl. STX Driver and Database	9600 00 02