

# STX44 IT Bench-Top

## Description

The STX44-xxITBT (BenchTop) is designed for crystallization applications and integrations where the instrument is located on a table. The STX44-xxITBT incubators have their handling controls on the lower part of the instrument. *All vibration sources such as compressor are separated from the incubation chamber.* The robotic access Gate is located in the lower part of the housing. For very space effective arrangements the STX44-xxITBT can be placed on top of an STX44-xxITSA.

Like all members of the StoreX family the STX44-ITBT 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	84
	11 mm	56
1536	12 mm	54
	17 mm	44
MTP (Microtiter Plates)	22 mm	34
	23 mm	34
	24 mm	34
	27 mm	30
DWP (Deep Well Plates)	44 mm	20
	53 mm	16
DiTi200	66 mm	14
DiTi1000	104 mm	8

## Dimensions



Width (W)	485 mm
Depth (D)	520 mm
Height (H)	1003 * mm
Transfer Height (T)	200 mm

\* add 20-35mm for feet

## Climate

Type	Temperature	Relative Humidity		Order Nr.
STX44-ICITBT	33..50°C (70°C)	max. 95 %	Incubator	9118 12 17
STX44-HCITBT	<sup>1)</sup> 04..25°C	max. 90 %	Humid Cooler	9118 12 18
STX44-DC2ITBT	<sup>1)3)</sup> 04..25°C	04..50 %	Dry Cooler	9118 12 58
STX44-HRITBT	<sup>1)</sup> 04..50°C (70°C)	90..95 %	Humid Wide Range	9118 12 19
STX44-DRITBT	<sup>1)3)</sup> 04..50°C	02..50 %	Dry Wide Range	9118 12 67
STX44-ARITBT	<sup>2)</sup> 04..50°C	20..90 %	Humidity Controlled	9118 12 68
STX44-DFITBT	<sup>1)</sup> -20..0°C <sup>4)</sup>	02..45 %	Deep Freezer	9118 12 70
STX44-NCITBT	-	-	No Climate	9118 12 71

1) Humidity depends on temperature setting

2) Humidity adjustable

3) Adjustable dehumidification

4) up to +20°C on request

## Specifications

Specifications		STX44-IC	STX44-HC	STX44-DC2	STX44-DR	STX44-HR
Application		Incubation	Humid Cooling	Dry Cooling	Dry MultiRange	Humid MultiRange
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	02..50	02..50	90..95
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

	<i>Order Nr.</i>
High temperature 70 degrees Celsius capability	9118 11 02
Bar Code Reader Option	9118 11 03
Plate Presence Sensor	9121 00 62
Fast access for time critical applications	9111 10 00
Easy Clean option	9118 12 21
UCI Universal Communications Interface	9118 11 17
Liconel self decontaminating incubation chamber	9118 12 43
n-Way Decontamination Option	9122 05 28
Steam Injection Option	9118 11 16
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
Shaking option, orbital, 1mm Amplitude, 600 rpm max.	9118 12 24
Shaking option, orbital, 1mm Amplitude, 1200 rpm max.	9118 12 25
Shaking option, orbital, 3mm Amplitude, 600 rpm max.	9118 12 41
Shaking option, orbital, 6mm Amplitude, 400 rpm max.	9118 12 42

## Accessories

	<i>Order Nr.</i>
Standard MTP cassette, 22 levels, pitch=23mm	9111 05 00
Deep-well cassette, 10 levels, pitch=50mm	9111 05 42
Custom Size cassette, nn levels, mm pitch (specify plate height)	9118 12 31
MTP cassette, 22 levels, pitch=23mm, all stainless steel	9118 12 26
Deep-well cassette, 10 levels, pitch=50mm, all stainless steel	9118 12 27
Custom Size cassette, nn levels, mm pitch, (specify plate height) all stainless steel	9118 12 33
MTP cassette, 22 levels, pitch=23mm, all stainless steel for shaker	9121 00 83
Deep-well cassette, 10 levels, pitch=50mm, all stainless steel for shaker	9121 00 84
Custom Size cassette, nn levels, mm pitch (specify plate height) all stainless steel for shaker	9121 00 85
Standard Transfer Station	9118 02 75
Standard Transfer Station with integrated Plate Detection Sensor and active alignment	9118 12 58
Turn Transfer Station	9118 00 59
Swap Transfer Station	9118 11 00
Slide Transfer Station for extended transfer reach Motor up (170mm)	9118 12 28
Slide Transfer Station for double extended transfer reach (300mm)	9111 07 81
Custom Size Slide Transfer Station mm transfer reach (specify transfer reach 300-1000mm)	9118 12 30
Parallel Transfer Station	9111 09 92
Lift Station	9111 10 32
Step Turn Station	9111 11 21
Step Slide Station	9111 11 30
Shuttle Transfer Station 90°, Custom Size (specify transfer reach up to 1000 mm)	9111 11 95
STX Driver	9118 12 48
STX Driver and Database	9600 00 01
STX GUI incl. STX Driver and Database	9600 00 02