LiCONiC INSTRUMENTS

Product Overview

Automated Incubators

STX Series

The STX-Series is the most widely used and the most complete solution for environmental controlled automated storages in laboratory automation. The STX incubators use a unique design that cope with extremely frequent accesses while maintaining ultra stable conditions inside the climate controlled chamber.

STX44	STX110	STX220	STX500	STX1000
Bench-Top or Stand-Alone	Bench-Top or Stand-Alone	Bench-Top or Stand-Alone	Capacity 530 MTP	Capacity 1060 MTP
Capacity 44 MTP	Capacity 110 MTP	Capacity 220 MTP		

STR Series

The Star incubators use a new design that cope with extremely frequent accesses while maintaining ultra stable conditions inside the climate-controlled chamber. The lift mechanism is located in the center of the turntable and can rotate around its own axis.

STR44	STR240	STR602
Capacity 44 MTP	Capacity 242 MTP	Capacity 560 MTP

Sample Management Systems

STT1000-Kiwi

The STT1000-Kiwi is a fully automated tube storage and retrieval system with remote sample access capability. The STT1000-Kiwi TubeStore can store over 400'000 384-tubes or over 75'000 500ul-tubes.

STT3k0-Kiwi

STT 3K0 Kiwi is built to last and is the most robust hardware on the market. LiCONiC's 20 years of engineering experience shows in the creative way to maximize storage capacity, tube sorting, and sample recovery all in one unit. This means the samples never leave one environment for another, which will jeopardize the consistency of compounds.

STL5k

The STL series covers the field of 3'000 to 20'000 MTP capacity. The STL incubators use a unique design that cope with extremely frequent accesses while maintaining ultra stable conditions inside the climate controlled chamber

STC ULT Series

Liconic's latest STC-ULT Series stores samples at temperatures as low as -80°C. The STC-ULT sample stores are expandable.
Over one million samples are stored in removable cassettes. The STC series includes the market's most compact design.

Plate Hotels

LPX Series

The LPX series is the standard series of Plate Hotels for table-top applications and covers the range of 44 to 880 MTP plate equivalent. These instruments consist of removable cassettes that hold plates during storage and a stationary lift mechanism to transport a plate from the storage to the transfer station or reverse.

LPX44	LPX110	LPX220	LPX440	LPX880
Capacity 44 MTP	Capacity 110 MTP	Capacity 220 MTP	Capacity 440 MTP	Capacity 880 MTP

LPR Series

The LPR Plate Hotels are designed for under-the-deck integration. Plates are fed through an opening in the deck of the workbench. As the common interface of the incubator and the robotic environment, there may be several transfer stations located around this opening.

LPR44	LPR240
Capacity 44 MTP	Capacity 242 MTP

Special Plate Storage

LPE220

The LPE220 the OEM Version of the legacy LDR 189 plate capacity plate hotel. Some of its improvements are the LPE220 increased 220 MTP capacity, its faster access speed and its much higher flexibility for integration. In fact, the LPE220 now allows placement of the plate on one or more transferstations.

Options

Climate Option

IC	Incubator	33 .. 50°C (70°C)	max. 95 % RH
DC2 *1) 3)*	Dry Storage	04 .. 25°C	04 .. 50 % RH
HC *1)*	Humid Cooler	04 .. 25°C	max. 90 % RH
HR *1)*	Humid Wide Range	04 .. 50°C (70°C)	90 .. 95 % RH
DR *1) 3)*	Dry Wide Range	04 .. 50°C	02 .. 50 % RH
AR *1) 2)*	Humidity Controlled	04 .. 50°C	10 .. 95 % RH
DF *1) 4)*	Deep Freezer	-20 .. 0°C	02 .. 45 % RH

1) Humidity depends on temperature setting   **2)** Humidity Adjustable   **3)** Adjustable dehumidification   **4)** up to +20°C on request

Liconel

The new Liconel based StoreX Series is the market leading contamination prevention incubator family. Liconel technology combines the de-contaminating properties of copper ions with the advantage of extremely low aging effects as with stainless steel.

STX1000 Series Cascading System

With the LiCONiC Cascader your system will satisfy your needs as your library grows. The Cascading approach lets you start to automize your sample store at minimum upfront investment while leaving ways to grow open.
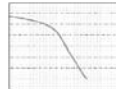
RH

Allows to display and control humidity inside the incubation chamber. A very high quality sensor is used in this option

Shaker

Linear / Agitation Shaker, 1-100mm amplitude, 12-300 RPM.
Orbital shaking Option 0-1200 RPM.

n-Way Decontamination

n-Way Decontamination effectively eliminates contamination and keeps the incubation chamber free of unwanted germs (see www.liconic.com for complete list of contaminants), while being absolutely harmless to the valuable substances

Gassing Option

CO_2 - To cope with frequent accesses a very advanced CO_2 controller is used which is extremely accurate, fast and stable.
N_2 - The N_2 option therefore assumes that oxygen is displaced by nitrogen.
O_2 - The main difference to CO_2+N_2 is the measurement range of the sensor used in O_2 option

BCR

Allows the reading of Bar Codes on plates stored in the stackers.

Easy Clean

Simple, Smart & effective

Accessories

Cassettes

All members of the StoreX series store the plates in cassettes that can easily be handled through the big user door by the operator. Cassettes are available for various plate dimensions.
Even customized sizes are available at only slightly extra cost. All-metal cassettes are also available.

Transfer Stations

BT-Attachment-Kit	The kit can be used for customers who have changed the design of their workstation and need a standard solution for their next design.
Swap Station	Consists of two transfer plates mounted on a swap drive rotating the transfer plates by 180 degrees.
Slide Station	Designed for the use of non-articulating robotic arms that need additional clearance from the storage units.
Shuttle Station	Designed for the elimination of "inter transfer module", space constants, and complications of adding robotic arms for distances of 170-1000mm.
Turn Station	Is rotating each microplate by 90 degrees before and after being accessed by the StoreX handler.
Standard Transferstation	A fixed station outside the StoreX system, which can be accessed by the StoreX handler as well as by any external robotic system.

Other Accessories

STX Driver	Make your StoreX interface professional looking supporting the latest interfacing technologies in no time.
UTX	The UTX ActiveX Control is designed to ease the process PC to StoreX communication using USB or Serial COM ports.
STX Panel	The 'StoreX Panel' is a software package designed to control all types of StoreX incubators.
Utility Software	

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