

LPR240

Description

The LPR240 will hold up to 242 MTP with 23mm pitch. It is ideal for multiple cassette/sample configurations. The unit sits entirely under the workstation or liquid handler deck. Multiple transfer-station can be used to increase production and throughput.

The LPR240 is ideal for protein crystallization work because the carousel can be stationary with the Star concept allowing the periscope the only moving part reducing vibration and movement of the samples. While allowing full remote access on handling you still are able to manually access the cassettes and samples from the front of the instrument.

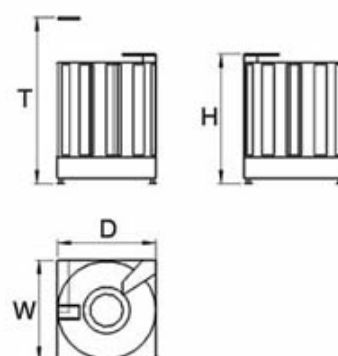
For better access to cassettes located in the back of the instrument the carousel maybe positioned automatically or be rotated manually. The LPR240 with 242 MTP capacity makes it perfectly suitable for large integrations. Its compact size and its high capacity make it also ideal for mixed plates applications. Various options like shaker, BCR, housings and more accessories, like various cassettes and transfer stations, are available.



Capacity

Plate Type	Plate Height	Capacity
NTP (Nanotiter Plates)	5 mm	462
	11 mm	308
	12 mm	297
MTP (Microtiter Plates)	17 mm	242
	22 mm	187
	23 mm	187
	24 mm	187
	27 mm	165
DWP (Deep Well Plates)	44 mm	110
	53 mm	88
DiTi200	66 mm	77
DiTi1000	104 mm	44

Dimensions



Width (W)	600 mm
Depth (D)	590 mm
Height (H)	780 mm
Transfer Height (T)	1000 mm

Specifications

General Specifications

Applications		Plate Hotel
Access Time HS / UHS	Sec	>15.3 / >10.3
Access frequency HS/UHS	Acs/h	>120 / >160
Communication		RS232 V24, 9600 Baud, ASCII
User Software	OS	Win32 / Windows NT / Windows2000
Facility Requirements		100V / 50Hz; 115V / 60Hz; 230V / 50 Hz; Switchable

Handling Specification

Mean Access Time:	24.6 sec.
Mean Load Time:	23.8 sec.
Mean UnLoad Time:	25.4 sec.

Weight and Dimensions

Unit	Incl. Cassettes	Net Weight	Tare	Gross weight	Package	Dimensions cm (LxWxH)
LPR240 incl. Housing	None	54 kg	48 kg	102 kg	Crate	98 x 78 x 111

Options

	Order Nr.
Bar Code Reader Option	9118 11 03
Plate Presence Sensor / Optical detection of Plate in Cassette	9121 00 62
Disposal Tips upgrade kit up to 100 mm height	9118 12 23
Fast access for time critical applications	9111 10 00
Housing	9142 01 36
Linear shaker / Probe agitation for cell and compounds solution Amplitude 1-100 mm, 12-300 rpm	9143 02 01
UCI Universal Communication Interface	9118 11 17

Accessories

	Order Nr.
Inverted cassette MTP, 22 levels, pitch=23mm all stainless steel	9118 01 96
Inverted cassette deep-well, 10 levels, pitch=50mm, all stainless steel	9118 01 97
Inverted Custom size cassette, nn levels, mm pitch (specify plate height) all stainless steel	9118 12 32
Standard Transfer Station	9147 00 24
STX Driver	9118 12 48
STX Driver and Database	9600 00 01
STX GUI incl. STX Driver and Database	9600 00 02