

# LPX220

## Description

The LPX220 is the successor of the legacy 189 plate capacity MPH (Micro Plate Hotel). Some of its improvements are the LPX220's increased 220 MTP capacity, its faster access speed and its much higher flexibility for integration. In fact, the LPX220 can be integrated in four different orientations. Left, right, back and side access is made possible by one single system.

The newly developed handling with higher speeds is used in the LPX220. The use of a spring balanced lift mechanism instead of counter weight optimised speed and reliability of the instrument.

The LPX220's 220 MTP capacity makes it perfectly suitable for most integrations. Its compact size and its capacity makes it also ideal for mixed plates applications. Various options like shaker, BCR, housings and more accessories, like various cassettes and transfer stations, are available. For detail please refer to Options and Accessories.

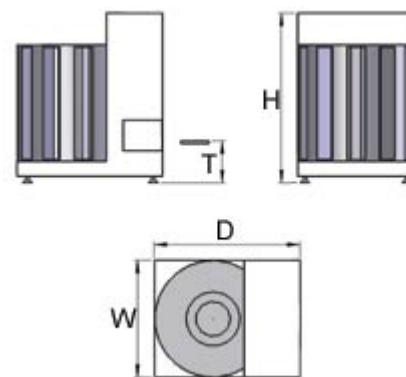


## Capacity

Plate Type	Plate Height	Capacity
NTP (Nanotiter Plates)	5 mm	420
	11 mm	280
1536	12 mm	270
MTP (Microtiter Plates)	17 mm	220
	22 mm	170
	23 mm	170
	24 mm	170
	27 mm	150
DWP (Deep Well Plates)	44 mm	100
	53 mm	80
DiTi200	66 mm	70
DiTi1000	104 mm	40

## Dimensions

(with option housing)



Width (W)	560 mm
Depth (D)	700 mm
Height (H)	782 * mm
Transfer Height (T)	200 mm

\* add 20-35mm for feet

## Specifications

### General Specifications

Application	Plate Hotel
Communication	RS232 V24, 9600Baud, ASCII
User Software	OS Win32 / Windows NT / Windows2000
Facility Requirements	100V / 50Hz; 115V / 60 Hz; 230V / 50 Hz; Switchable

### Handling Specifications

Mean Access Time:	18.4 sec.
Mean Load Time:	14.7 sec.
Mean UnLoad Time:	22.0 sec.

### Weight and Dimensions

Unit	Incl. Cassettes	Net Weight	Tare	Gross weight	Package	Dimensions cm (LxWxH)
LPX220	20	70 kg	47 kg	117 kg	Crate	86 x 72 x 103
LPX220 incl. Cover protection	10 DWL	98 kg	34 kg	132 kg	Crate	94 x 87 x 102

## Options

	<i>Order Nr.</i>
Transfer Station Location Case A	9144 00 91
Transfer Station Location Case D	9144 00 53
Transfer Station Location Case B	9144 00 54
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 / ½ Cover	9144 00 55
Housing, Cover Protection with integrated Door	9144 00 56
UCI Universal Communication Interface	9118 11 17
Linear Shaker / Probe agitation for cell and compounds solution, Amplitude 1-100mm, 12-300 rpm	9144 00 59

## 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	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
Standard Transfer Station with integrated plate detection sensor	9118 02 75
Standard Transfer Station with integrated plate detection sensor and active alignment	9118 00 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 (300 mm)	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 10 94
Slide Transfer Station 90°, Custom Size (specify transfer reach up to 1000 mm)	9111 10 95
STX Driver	9118 12 48
STX Driver and Database	9600 00 01
STX GUI incl. STX Driver and Database	9600 00 02