

Cooled incubators with Peltier technology, INCU-Line® ILPR series



Cooled incubators with Peltier technology feature excellent temperature stability and uniformity. They are energy efficient and environmentally friendly, with a low noise level, and they work almost vibration-free as no compressor is installed. No dehumidification of samples due to the closed chamber. These models with forced air convection provide a temperature range between 0 to +70 °C (max. 20° C below ambient), feature a stainless steel (DIN 1.4301) inner chamber and stainless steel housing, solid outer door and internal glass door. The modern, intuitive controller, with 7" full colour touch screen display, shows actual temperature, set temperature and time of the actual program.

- Internal memory (can store up to 10 000 data records)
- USB interface on front panel (for data transfer via USB stick)
- Real time clock (displays date and time)
- Timer (adjustable from 1 min to 365 days or continuous operation)
- Display shows elapsed or remaining time of actual program
- Access port (30 mm Ø on left side)
- INCU-Line IL 56PR and IL 112PR models are stackable as 2x IL 56 PR or 2x IL 112PR without additional stacking kit, it is possible to place the IL 56PR on top of the IL 112PR. The IL 240PR models are not stackable

Users can view three different windows on the touch panel display, swiping left or right to switch between windows. The Quick change mode allows user to change the set temperature and time without stopping the active program. The status of the device is indicated by icons on the display. These show if:

- *Unit is cooling down or heating up (ramp status)
- *Unit has reached set temperature status (timer starts)
- *Fan (speed not adjustable) is running (at 100% during ramp or set temperature status)
- *Internal LED light is on (when door is open)
- *Door is open or closed

Safety features include adjustable over- and under-temperature safety thermostat Class 3.3 to protects samples and the incubator, audible and visible open door alarm, temperature alarms, power failure control system, temperature sensor fail alarm and auto-diagnostic function.

The standard spare shelves have a maximum workload of 25 kg per shelf. The optional reinforced stainless steel shelves for IL 240PR units have a maximum workload of 100 kg per shelf. Maximum chamber load is shown in the specification. The optional Basic Software available on a USB stick for ILPR models enables user to download data from internal memory.

All models are supplied with two stainless steel wire shelves, except IL 240PR which has three shelves, a test certificate (data measured at 37 °C), 2 keys for the door lock and multilingual instruction manual on CD.



Model	IL 56PR	IL 112PR	IL 240PR
Temperature range (°C)	0...+70 (max. 20 °C below ambient)		
Temperature fluctuation (time) (°C)	±0,1 at 37 °C		
Temperature variation (spatial) (°C)	±0,2 at 37 °C		±0,3 at 37 °C
Capacity (l)	56	112	245
Convection type	Forced convection		
Shelves supplied (max.)	2 (5)	2 (7)	3 (10)
Max. load per shelf (kg)	25		
Max. chamber capacity (kg)	50		90
Int. WxDxH (mm)	400x350x390	460x440x540	600x510x800
Ext. WxDxH (mm)	590x690x710	650x780x850	810x840x1140
Nominal power consumption (W)	500	600	1000
Weight (kg)	52	70	115

Type	Pk	Cat. No.
INCU-Line® IL 56PR Peltier cooled incubator	1	390-1031
INCU-Line® IL 112PR Peltier cooled incubator	1	390-1032
INCU-Line® IL 240PR Peltier cooled incubator	1	390-1033

Description	For	Pk	Cat. No.
Accessories			
Stainless steel wire shelf	DL/VL/IL/ILPR 56	1	466-0454
Stainless steel wire shelf	DL/VL/IL/ILPR 112	1	466-0455
Stainless steel wire shelf	IL 240PR/IL 240CR Premium cooled incubator	1	390-0967
Reinforced stainless steel wire shelf	IL 240PR/IL 240CR Premium cooled incubator	1	390-1035
Basic software on USB stick	INCU-Line® ILPR Peltier cooled incubators	1	390-1034