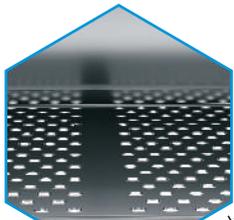


CO₂ INCUBATORS

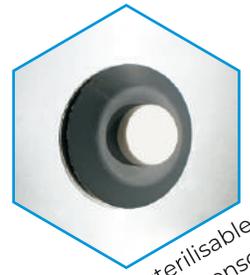
offers optimum growth conditions for cell cultures. Very precise temperature control, optimal humidity and CO₂ concentration are undeniable advantages of this product



smooth rounded corners

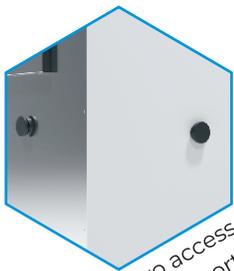


perforated shelf



sterilisable IR CO₂ sensor

CO₂ Incubator ILC 180 SMART PRO



two access ports



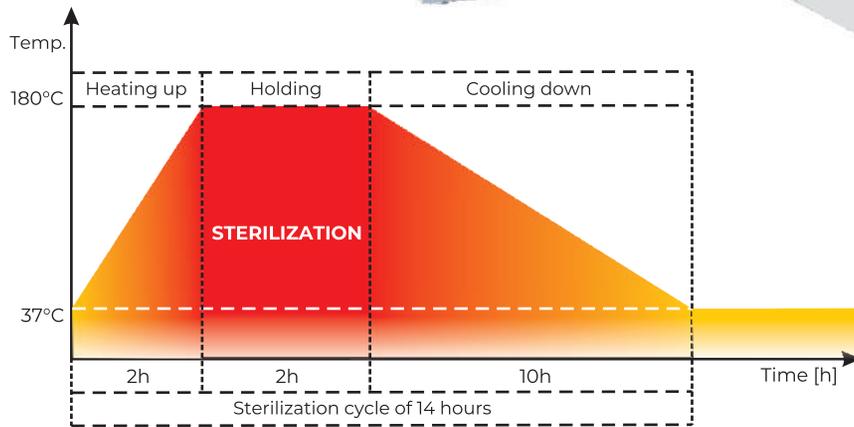
water pan (passive humidifying)



stacking adaptor (option)



All thermostatic equipment manufactured by POL-EKO® can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation is available on website: www.polekolab.pl and on page 161.



MAIN STANDARD BENEFITS

- temperature range: +5°C above ambient temp...+50°C
- quality control certificate (at +37°C, 5% CO₂)
- English instruction manual
- temperature protection class 3.1 to DIN 12880
- open door alarm
- LAN and USB ports
- height adjustable feet
- two access ports (Ø30 mm) on the left wall and on the rear, both secured with silicone plugs
- water pan to provide optimal humidity (passive humidifying)
- door lock
- perforated shelves and rack for them to optimal shelf positioning
- silicone gaskets
- magnetic handle for ergonomic internal door opening
- CO₂ gas-mixing jet with Venturi effect to ensure quicker atmosphere mixing and more homogeneous distribution
- multiple temperature sensors for accurate measurement
- main power switch flush with housing prevents unintentional switch off
- Wi-Fi
- LAN cable

CONTAMINATION PROTECTION

- hot-air sterilization at 180°C for 2 hours
- fanless construction
- smooth, easy to clean stainless steel interior with rounded corners
- sterilizable, drift-free infrared CO₂ sensor
- inner glass door for sample viewing without changing the conditions in the chamber
- no hidden spaces

SOFTWARE

- LabDesk for data download to a PC via LAN or Wi-Fi
- LabDesk Cloud platform for remote data monitoring



TECHNICAL DATA


parameters	ILC 180	ILC 260
air convection	natural (fanless)	
chamber capacity ¹ [l]	182	262
working capacity ¹ [l]	135	205
door type	double (external solid, internal glass)	
temperature range [°C]	+5°C above ambient temperature...+50	
temperature resolution [°C]	every 0,1	
humidity range [% rH]	90-95	
CO ₂ range[%]	0-20	
CO ₂ resolution [%]	every 0,1	
CO ₂ measurement	IR	
controller	microprocessor with a large 7" full-colour touch screen	
interior	acid-proof stainless steel to DIN 1.4301	
housing	powder coated sheet	
maximum drawer load [kg]	10	30
max unit workload [kg]	30	50
nominal power [W]	1700	1700
weight [kg]	96	118
temperature fluctuation ² at 37°C [°C]	< ± 0,1	< ± 0,1
temperature variation ² at 37°C [°C]	< ± 0,3	± 0,4
time required to achieve 37°C of the load, at set 37°C (40% load) [min]	6	5
time required to achieve 37°C of the load, at set 37°C (70% load [min])	10	10
energy consumption at 37°C [Wh/h]	66	97
temperature protection	class 3.1 to DIN 12880	
power supply	230V 50-60Hz / 115V 50-60Hz	
sound levels [db(A)]	42	44
shelves (fitted/max)	3/6	3/8
warranty	24 months	
manufacturer	POL-EKO®	

all the above technical data refer to standard units (without optional accessories)

1 - doesn't include rack for shelves space

2 - fluctuation measured in centre of chamber; in space, variation (K) calculated for chamber as: $K = \pm (T_{avg\ max} - T_{avg\ min}) / 2$

OPTIONS & ACCESSORIES (icon description see pages 117-124)
