

Laboratory incubators



- Laboratory incubators with analogic regulation.
- Natural air convection.
- Regulable temperature from room temperature +5°C up to 80°C.
- Analogic thermometer with reader up to 80°C
- Outer construction made of steel covered by epoxy.
- Inner construction: back rest ring for shelves and storm door made of stainless steel.
- Inner door made of security tempered glass.
- 2 inner shelves made of stainless steel regulable height.
- Homogeneity: $\pm 2\%$.
- Stability: $\pm 0,5\%$.

Reference	Model	Capacity (L)	Outer dimensions cm WxDxH	Inner dimensions cm WxDxH	Watt	Weight Kg	Price
505036	IDL.CI 36	36	46x65x43	30x38x32	320	35	
505080	IDL.CI 80	80	66x77x46	48x48x35	320	49	
505122	IDL.CI 122	120	75x83x57	50x50x48	320	64	
505208	IDL.CI 208	208	85x89x69	60x60x58	640	81	

Accessories for laboratory incubators model CI:

501036 Stainless steel shelf for 36 litres laboratory incubator

501080 Stainless steel shelf for 80 litres laboratory incubator

501120 Stainless steel shelf for 120 litres laboratory incubator

501208 Stainless steel shelf for 208 litres laboratory incubator

501022 24H coder

501087 Safety thermostat

501501 Electronic digital controller LABOLAN 100

- Temperature/time microprocessor controlled
- Digital display to show actual and setting temperatures
- Programming of temperature and time
- Attended time function

501014 Temperature recorder



Laboratory incubators



- Electronic regulation microprocessor controller and digital reading for temperature.
- Natural air convection.
- Regulable temperature from room temperature +5°C up to 80°C.
- Outer construction made of steel covered by epoxy.
- Inner construction: back rest ring for shelves and storm door made of stainless steel.
- Inner door made of security tempered glass.
- 2 inner shelves made of stainless steel regulable height.
- Homogeneity: $\pm 2\%$.
- Stability: $\pm 0,3\%$.
- Temperature /time microprocessor controlled:
 - Digital display to show actual and setting temperatures.
 - Work temperature setting.
 - Time setting up to 99 hours 99 seconds.
 - Attended time function.

Reference	Model	Capacity L	Outer dimensions cm WxDxH	Inner dimensions cm WxDxH	Watt	Weight Kg	Price
504036	IDL.CD 36	36	46x65x43	30x38x32	300	35	
504080	IDL.CD 80	80	66x77x46	48x48x35	300	49	
504120	IDL.CD 122	120	75x83x57	50x50x48	300	64	
504208	IDL.CD 208	208	85x89x69	60x60x58	650	81	
504400	IDL.CD 400	400	122x107x70	100x80x50	800	165	
504720	IDL.CD 720	720	148x127x75	120x110x60	875	230	

Accessories for laboratory incubators model CD:

- 501036 Stainless steel shelf for 36 litres laboratory incubator
- 501080 Stainless steel shelf for 80 litres laboratory incubator
- 501120 Stainless steel shelf for 120 litres laboratory incubator
- 501208 Stainless steel shelf for 208 litres laboratory incubator
- 501288 Stainless steel shelf for 288 litres laboratory incubator
- 501400 Stainless steel shelf for 400 litres laboratory incubator
- 501720 Stainless steel shelf for 720 litres laboratory incubator
- 501087 Safety thermostat
- 501014 Temperature recorder

Drying ovens



- Analogic regulation ovens for drying.
- Natural air convection.
- Regulable temperature from room temperature +5°C up to 250°C.
- Analogic thermometer with reader up to 250°C.
- Outer construction made of steel covered by epoxy.
- Inner construction: back rest ring for shelves and storm door made of stainless steel.
- 2 inner shelves made of stainless steel regulable height.
- Homogeneity: $\pm 2\%$.
- Stability: $\pm 0,5\%$.

Reference	Model	Capacity L	Outer dimensions cm WxDxH	Inner dimensions cm WxDxH	Watt	Weight Kg	Price
506036	IDL.AI 36	36	46x65x43	30x38x32	1230	35	
506080	IDL.AI 80	80	66x77x46	48x48x35	1230	49	
506122	IDL.AI 122	120	75x83x57	50x50x48	1230	64	
506208	IDL.AI 208	208	85x89x69	60x60x58	2275	81	

Accessories for drying ovens model AI:

- 501036 Stainless steel shelf for 36 litres laboratory incubator
- 501080 Stainless steel shelf for 80 litres laboratory incubator
- 501120 Stainless steel shelf for 120 litres laboratory incubator
- 501208 Stainless steel shelf for 208 litres laboratory incubator
- 501022 24H coder
- 501087 Safety thermostat
- 501014 Temperature recorder
- 501501 Electronic digital controller LABOLAN 100
 - Temperature/time microprocessor controlled
 - Digital display to show actual and setting temperatures
 - Programming of temperature and time
 - Attended time function



Drying ovens ECOLAN with forced air convection



- Analogic regulation ovens for drying.
- Forced – air convection, with fan.
- Regulable temperature from room temperature +5°C up to 250°C.
- Analogic thermometer with reader up to 250°C.
- Safety thermostat.
- Outer construction made of steel covered by epoxy.
- Inner construction: back rest ring for shelves and storm door made of stainless steel.
- 2 inner shelves made of stainless steel regulable height.
- Homogeneity: $\pm 2,5\%$.
- Estability: $\pm 0,3\%$.

Reference	Model	Capacity L	Outer dimensions cm WxDxH	Inner dimensions cm WxDxH	Watt	Weight Kg	Price
503030	IDL.EI 36	36	46x65x54	30x38x32	1500	37	
503072	IDL.EI 80	80	66x77x66	48x48x35	1500	51	
503119	IDL.EI 122	120	75x83x67	50x50x48	1500	66	
503207	IDL.EI 208	208	85x89x85	60x60x58	2475	83	

Accessories for drying ovens model EI:

501036 Stainless steel shelf for 36 litres laboratory incubator

501080 Stainless steel shelf for 80 litres laboratory incubator

501120 Stainless steel shelf for 120 litres laboratory incubator

501208 Stainless steel shelf for 208 litres laboratory incubator

501022 24H coder

501501 Electronic digital controller LABOLAN 100

- Temperature/time microprocessor controlled
- Digital display to show actual and setting temperatures
- Programming of temperature and time
- Attended time function



Drying ovens DIGILAN with forced air convection



- Electronic regulation microprocessor controller and digital reading for temperature.
- Forced – air convection, with fan.
- Regulable temperature from room temperature +5°C up to 250°C.
- Digital temperature regulator with digital reading.
- Safety thermostat incorporated.
- Outer construction made of steel covered by epoxy.
- Inner construction: back rest ring for shelves and storm door made of stainless steel.
- 2 inner shelves made of stainless steel regulable height.
- Homogeneity: $\pm 2\%$
- Stability: $\pm 0,3\%$.
- Temperature/time microprocessor controlled:
 - Digital display to show actual and setting temperatures.
 - Work temperature setting
 - Time setting up to 99 hours 99 seconds.
 - Attended time function.

Reference	Model	Capacity L	Outer dimensions cm WxDxH	Inner dimensions cm WxDxH	Watt	Weight Kg	Price
503036	IDL.FI 36	36	46x65x54	30x38x32	1500	37	
503080	IDL.FI 80	80	66x77x66	48x48x35	1500	51	
503120	IDL.FI 122	120	75x83x67	50x50x48	1500	66	
503208	IDL.FI 208	208	85x89x85	60x60x58	2475	94	
503288	IDL.FI 288	288	120x89x85	80x60x60	3500	155	
503400	IDL.FI 400	400	122x107x80	100x80x50	4500	187	
503720	IDL.FI 720	720	148x127x85	120x100x60	7500	244	

Accessories for drying ovens model FI:

- 501036 Stainless steel shelf for 36 litres laboratory incubator
- 501080 Stainless steel shelf for 80 litres laboratory incubator
- 501120 Stainless steel shelf for 120 litres laboratory incubator
- 501208 Stainless steel shelf for 208 litres laboratory incubator
- 501288 Stainless steel shelf for 288 litres laboratory incubator
- 501400 Stainless steel shelf for 400 litres laboratory incubator
- 501720 Stainless steel shelf for 720 litres laboratory incubator
- 501014 Temperature recorder



Refrigerating incubators

51043 Refrigerating incubator FTC90E

- With autotuning temperature regulator.
- CFC free.
- Volume: 90 Litres.
- Internal electrical current socket.
- Forced air recirculation.
- Accuracy: at 20°C $\pm 0,5^{\circ}\text{C}$.
- Internal temperature homogeneity: $\pm 0,5^{\circ}\text{C}$.
- Internal temperature stability: $\pm 0,5^{\circ}\text{C}$.
- Auto – tuning electronic thermoregulation.
- Temperature setting from 3°C up to 50°C.
- Resolution: 0,1°C.
- Interface RS232.
- Dimensions: 615x550x540 mm
- Weigh: 29 kg
- Power: 150 W.
- Voltage: 230/50 Hz.



51143 Refrigerating incubator FTC 90I with internal glass door

Same characteristics than FOC 90E

51040 Refrigerating incubator FOC225E

- CFC free.
- Volume: 220 litres.
- Auto-tuning electronic thermoregulation.
- Temperature setting from 3°C up to 50°C.
- Resolution: 0,1°C.
- Internal temperature homogeneity: $\pm 0,5^{\circ}\text{C}$.
- Internal temperature stability: $\pm 0,5^{\circ}\text{C}$.
- Forced air recirculation.
- 2 Internal electrical current sockets.
- Dimensions: 540x540x1280 mm.
- Weigh: 40 Kg.
- Power: 300 W.
- Voltage: 230/50 Hz.



51140 Refrigerating incubator FOC 225I

- With internal glass door.
- Same characteristics than FOC 225E.

Accessories:

12010 Connecting cable for RS232 interface

12020 Software compatible with Windows

- To record on an Excel file and display in graphic form the internal temperature values.
 - To signal and record any accidental overheating, failure of the probe or deviation from the set temperature range.
 - To use prorammmable temperature and times work cycles.
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CO₂ incubators

Designed for cellular culture, tissues and organism.

Technical Characteristics:

- Microprocessor controlled.
- Contamination control through the internal air circulation, HEPA filter which removes 99,97% of all airborne microtubes and isolated particulates 0,3 microns or larger..
- The copper CO₂ gas line, in water jacket and in simple port as well as HEPA filter holder, in copper too, avoid the possibility of external contaminations.
- Inner in stainless steel with coved corners and quick disassembled shelf system, for an easy cleaning by means of the "Quick Clean Shelf System".
- Condensation is eliminated by means of a double heating system
 - Inner glass door with self heating, microprocessor controlled.
 - CO₂ gas line, heated and filtered.
- Possibility of connection of 2 CO₂ bottles for an automatically switch from one to the other.
- Temperature microprocessor controlled:
 - Allows inner and door temperature regulation, reaching a high temperature uniformity and preventing condensations.
 - Temperature continuous sampling.
- Wide capacity for spill-proof shelves.
- Monitored of: temperature , CO₂, alarms....
- External communications and validations port.

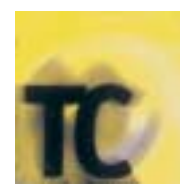
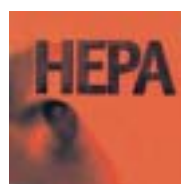
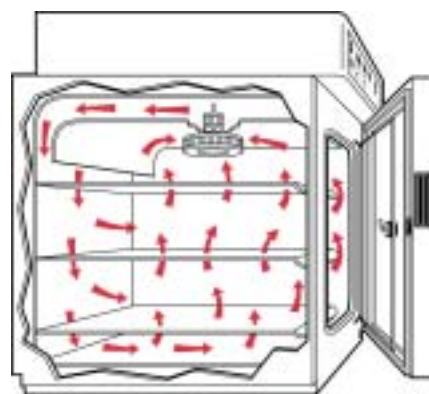


CO₂ control:

- **IR Version**, with infrared sensor, ideal for applications where door openings occur frequently because recovery is unaffected by changes in temperature or humidity, and allows a rapid CO₂ recovery.
- **TC Version**, with thermal conductivity sensor, uses humidity and CO₂'s density to determine CO₂ concentration. Complete CO₂ recovery depends on humidity levels.

Incubadores CO₂

CO₂ incubators



Code	505215	502323	502424
Model	5215	2323	2424
Price			
Volume (L)	160	190	190
Temperature range	room temperature +5°C to 60°C	room temperature +5°C to 60°C	room temperature +5°C to 60°C
Temperature uniformity	± 0,35°C (at 37°C)	± 0,25°C (at 37°C)	± 0,25°C (at 37°C)
Temperature resolution	±0,1°C.	±0,1°C.	±0,1°C
CO₂ sensor	Infrared	TC	Infrared
CO₂ range	0-20%	0-20%	0-20%
CO₂ Resolution	±0,1%	±0,1%	±0,1%
CO₂ Uniformity	±0,1% @5%	±0,1% @5%	±0,1% @5%
CO₂ Recovery 5%	< 3 minutes	< 5 minutes	<3 minutes
CO₂ Pressure reg	No	Yes	Yes
Humidity range	Up to 95%	Up to 95%	Up to 95%
Temperature alarm	± 1° C.	± 1° C.	± 1° C.
CO₂ Alarm	± 1%	± 1%	± 1%
RS232	No	Yes	Yes
Parallel port	No	Yes	Yes
Alarm contact	No	Yes	Yes
4-20 mA Output	Yes	No	No
Sheves supplied	3	6	6
Sheves maximum	16	16	16
Outer dimensions cm (W x D x H)	65x69x96	67x67x101	67x67x101
Inner dimensions cm (W x D x H)	49x50x65	52x51x72	52x51x72
Weight kg	90	127	127
600w -220V-50/60 Hz			