

INCUCELL / INCUCELL V

LABORATORY INCUBATORS WITH NATURAL/FORCED AIR CONVENTION



Suitable for safe processing of microbiologic cultures. The INCUCELL® line is characterised by noiseless operation and slow air flow in usable space. The INCUCELL® V line (version with fan) guarantees faster and more precise temperature distribution with small variations. Special fields of use include mainly biologic and microbiologic laboratories. They can be also used for quality tests in pharmaceutical industry and cosmetics, for tests in veterinary medicine and food processing industry.

- » Internal volume: 22, 55, 111, 222, 404, 707, 1212 litres
- » Temperature range:
 - » INCUCELL®: from 5°C above the ambient temperature up to 100°C
 - » INCUCELL® V: from 10°C above the ambient temperature up to 100°C
- » Inner glass door
 - » Internal chamber: stainless steel DIN 1.4301 (AISI 304)

ECO LINE

- » Intuitive control
- » Microprocessor process control Fuzzy logic
- » Multi-lingual communication
- » Acoustic and visual alarm
- » LED indicator of device functionality
- » LCD display - 3 inches (7,6 cm)
- » Transflective brilliant FSTN display, using COG technology (it is backlit and it uses external lighting reflection – higher intensity of external light increases the display readability)
- » Adjustable display contrast depending on device placement
- » Exceptionally wide vision angle
- » Large signs on the display visible from afar
- » Current values (eg. temperature, humidity for CLIMACELL®, pressure for VACUCELL®) during the device operation are enlarged for easy readability
- » Resistant foil keyboard with SoftTouch surface (pleasant to touch)
- » Mechanic response of keys
- » Lit symbols integrated directly in the foil keyboard
- » Keyboard lock to block unauthorised access – adjustable by multiple pressing
- » Real time programming and cycling (ramps as optional equipment)
- » Up to 9 programs, 2 segments for each program and up to 99 cycles.
- » USB Host port for flash disc connection for easy export of the relevant data (optional equipment)



EVO LINE

- » Intuitive control
- » Microprocessor process control Fuzzy logic
- » Multi-lingual communication
- » Acoustic and visual alarm
- » LED indicator of device functionality
- » LCD display – 5,7 inches (14,5 cm)
- » Graphic displaying of a new program
- » Control through colour icons
- » Touch display lock – protection from unauthorised access by a password
- » Multi-level administration of users (corresponding to FDA 21 Part 11)
- » Data coding and no-manipulability (according to FDA 21 Part 11)
- » Up to 100 programs and up to 100 segments for each program
- » Programming of temperature ramps, real time and cycling
- » Annual data recording in graphic and numeric form
- » Data export in online and offline mode
- » Pre-set service programs for prompt diagnostics of failures
- » Easy service diagnostics including remote access
- » SD memory card, USB Host and interface RS 232 – included as a standard
- » Connection: WiFi, USB Device or Ethernet interface with proper IP address for remote data transfer, control and diagnostics (optional equipment)



Technical data									
Inner space	volume	l	22	55	111	222	404	707	1212
	width	mm	240	400	540	540	540	940	3x540
	depth	mm	350 / 320	370	370	520	520	520	520
	height	mm	300	350	530	760	1410	1410	1410
External dimensions (including door, handle, legs N or casters K)	width	max. mm	406	620	760	760	760	1160	2175
	depth	max. mm	560	680	680	830	790	790	845
	height	max. mm	610N	680N	860N	1090N	1910K	1910K	1910
	ventilation neck diameter – internal / external	mm	52/49	52/49	52/49	52/49	52/49	52/49	52/49
Package – basic package	width	approx. mm	500	700	830	820	830	1230	2360
	depth	approx. mm	720	760	750	890	860	860	1020
	height (including palette)	approx. mm	810	880	1060	1260	2085	2085	2100
Package – case	width	approx. mm	730	800	830	940	910	1330	2360
	depth	approx. mm	780	840	910	960	970	1010	1020
	height (including palette)	approx. mm	855	900	1085	1310	2125	2125	2240
Package – wooden crate	width	approx. mm	-	780	910	900	910	1310	-
	depth	approx. mm	-	840	830	970	940	940	-
	height (including palette)	approx. mm	-	870	1090	1270	2120	2120	-
Trays / shelves	maximal number	pc	4	4	7	10	19	19	3x19
	standard equipment	pc	2	2	2	2	2	2	6
	minimal distance between trays/shelves	mm	60	70	70	70	70	70	70
	usable area	mm	185x265	380x335	520x335	520x485	520x485	920x485	520x485
Maximal allowed loading of trays *)	per 1 tray	kg	10	20	20	30	30	50	30
	per 1 shelf	kg	10	20	20	30	30	20	30
	inside the device – in total	kg	25	50	50	70	100	130	300
Number of external metal door	pc	1	1	1	1	1	2	3	
Weight	net	approx. kg	31	55	75	100	150	215	475
	brut (cartoon)	approx. kg	36	66	87	116	175	240	525
Electric data – mains 50/60 Hz	max. input	kW	0,24/0,96	0,3/0,7	0,3/0,7	0,5/0,7	0,9/1,3	0,9/1,3	2,4/3,6
	stand by input	W	5	5	5	5	5	5	5
	current for voltage **)	A	1,1/4,2	1,3/3	1,3/3	2/3	3,9/5,6	3,9/5,6	2x3,9/2,6//5,2
		V	230	230	230	230	230	230	400/3NPE
	current for voltage **)	A	2,2/8,4	2,6/6	2,6/6	4/6	7,8/11,3	7,8/11,3	-
		V	115	115	115	115	115	115	-
IP Code			IP20	IP20	IP20	IP20	IP20	IP20	IP20
Temperature data									
Operation temperature	from 5°C/10°C ***) above ambient temperature	to °C	100	100	100	100	100	100	100
Variations from operation temperature with closed flap and door (DIN 12 880 part 2)	space	± % temperature	1,1/0,4	0,5/ 0,3	0,5/ 0,3	1/ 0,3	1/ 0,8	1,5/ 1,5	3,4/2,3
		± at 37°C	0,4/0,2	0,3/0,2	0,3/0,2	0,3/0,3	0,4/0,3	0,6/0,3	1,3/0,8
	time	±°C	0,4/0,1	0,2	0,2	0,2	0,2	0,2	0,4/0,3
Time to reach temperature of 37°C with closed flap and voltage 230 V		min	70/80	49/41	57/51	79/66	41/38	59/51	68/54
Number of air exchanges at 37°C		per hour	4/45	5/45	5/49	5/24	5/18	5/12	5/16
Heat losses	at 37°C	W	20/70	30/80	45/95	45/95	65/115	85/135	180/310
Noise level of complete device		dB	0/55	0/55	0/55	0/55	0/55	0/55	0/60

Note:
 INCUCELL*/INCUCCELL* V
 All the technical data refer to 22 °C ambient temperature and 230 V supply voltage.
 The stated deviations of temperature are valid for the device in standard version without options, measured according to DIN 12880 in a steady state with an empty chamber (IC)/ with an empty chamber and a fan at 100 % (ICV). The other parameters may also vary depending on the optional options added and the media used.

*) The trays may be covered to approximately 50% of their surface and if possibly in such a way so as the air may evenly flow inside the chamber space.

**) Mains voltage is specified on type label of the device.

***) Without fan/ with fan.

Changes in the design and make reserved.