

INCUBATORS I

according to DIN 12880:2007-05; EN 61010-1 (IEC 61010-1); EN 61010-2-010

Standard units are safety-approved and bear the test marks:



Interior: stainless steel, material 1.4301 (ASTM 304), with all-round deep-drawn ribs to integrate the large-area heating with ceramic-metal sheath

Housing: textured stainless steel 1.4016 (ASTM 430), rear zinc-plated steel 1.0037 (St37-2), intuitively operated SingleDISPLAY or TwinDISPLAY (TFT colour display) with touchscreen

Door: fully insulated stainless steel doors with 2-point locking (compression door lock) and inner glass door, from size 450 two leaves

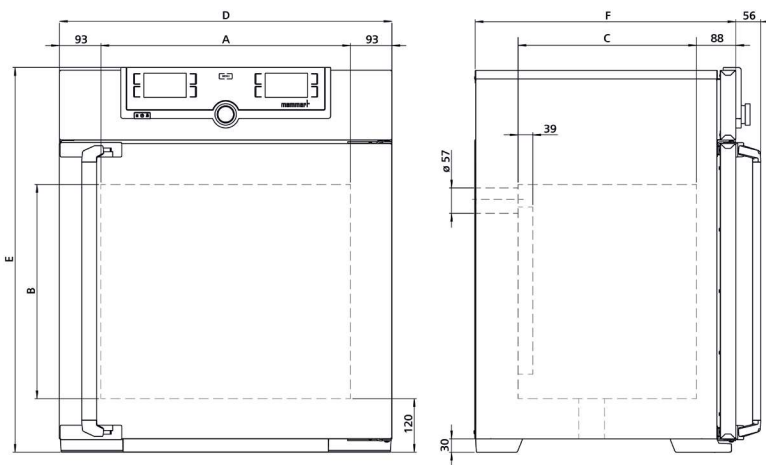
Connection: mains cable with plug (German type)

Installation: Sizes 30 to 260: 4 adjustable appliance feet, Sizes 450 and 750: on lockable castors

Interfaces:



USB: only TwinDISPLAY



Model sizes/Description			30	55	75	110	160	260	450	750
Stainless steel interior	Volume	l	32	53	74	108	161	256	449	749
	Width	(A) mm	400			560		640	1040	
	Height	(B) mm	320	400	560	480	720	800	720	1200
	Depth (less 39 mm for fan)	(C) mm	250	330		400		500	600	
	Max. number of grids/shelves	number	3	4	6	5	8	9	8	14
	Max. loading per grid/shelf	kg	20						30	
	Max. loading of chamber	kg	60	80	120	175	210	300		
	Max. loading per slide-in drip tray	kg	1.5			3		4	8	
	Max. loading per bottom drip tray	kg	1.5			3		4	8	
Textured stainless steel exterior	Width	(D) mm	585			745		824	1224	
	Height (sizes 450, 750 with castors)	(E) mm	704	784	944	864	1104	1183	1247	1720
	Depth (without door handle, depth of handle +56 mm)	(F) mm	434	514		584		684	784	
Standard equipment	Standard works calibration certificate (measuring point chamber center)	°C	+37							
	Stainless steel grid, electropolished	number	1		2					
Temperature	Working temperature range	°C	at least 5 (IN/INplus) 10 (IF/IFplus) above ambient temperature up to +80							
	Setting temperature range	°C	+20 to +80							
	Setting accuracy	°C	0.1							
Further data	Electrical load at 230 V, 50/60 Hz	W	1600	1000	1250	1400	1600	1700	1800	2000
	Electrical load at 115 V, 50/60 Hz	W	800	900					1500	1800
Packing data	Net weight	kg	48	57	66	76	96	110	161	217
	Gross weight (packed in carton)	kg	64	76	85	101	122	161	227	288
	Width	mm	660	730		830		930	1330	
	Height	mm	890	950	1130	1050	1300	1380	1440	1910
	Depth	mm	650	670		800		930	1050	
Order No. Incubators I = Incubator N = Natural convection F = Forced air circulation plus = Model with TwinDISPLAY			IN30	IN55	IN75	IN110	IN160	IN260	IN450	IN750
			IN30plus	IN55plus	IN75plus	IN110plus	IN160plus	IN260plus	IN450plus	IN750plus
			IF30	IF55	IF75	IF110	IF160	IF260	IF450	IF750
			IF30plus	IF55plus	IF75plus	IF110plus	IF160plus	IF260plus	IF450plus	IF750plus

Options	30	55	75	110	160	260	450	750	
Voltage 115 V, 50/60 Hz	X2								
Extended overtemperature protection by additionally integrated Pt100 sensor for independent temperature monitoring for models with SingleDISPLAY	A6								
Temperature restriction; Temperatures: +50, +55, +60, +65, +70 or +75 °C (Please indicate upon ordering)	A8								
Chamber modification for the application of reinforced perforated stainless steel shelves or stainless steel grids (bearing rails mounted in the working chamber) - includes replacement of standard grids by reinforced grids	-						K1		
Interior lighting for observing the load	R0								
Interior socket (can only be ordered with limited temperature range - max. +60 °C), ampacity 230V / 2,2A / 500W, can be switched off with the On/Off switch, cannot be switched individually, moisture tight IP68 (only with SingleDISPLAY), (option A8 necessary against surcharge) (max. one per appliance)	R3								
Entry port with 23 mm clear diameter, can be closed, standard position	left centre/centre	F0							
	left centre/top	F1							
	right centre/centre	F2							
	right centre/top	F3							
Entry port with 23 mm clear diameter, can be closed, individual position (please state position)	left	F4							
	right	F5							
	rear	F6							
Entry port, 14 mm clear diameter, can be closed by flap, in special positions in the back wall (please state location)	D6								
Entry port, 38 mm clear diameter, can be closed by flap, in special positions in the back wall (please state location)	F7								
Entry port with 57 mm clear diameter, can be closed by flap, individual positions in the back wall (please state position, not possible for devices with forced air circulation of sizes 30-75)	F8								
Entry port with 100 mm clear diameter, can be closed by flap, individual positions in the back wall (please state position, not possible for devices with forced air circulation of size 75)	-	F9							
4 - 20 mA current loop interface (0 to +90 °C = 4 - 20 mA)	Temperature controller, actual value	V3							
	Temperature of a Pt100 sensor positioned flexibly in chamber for external temperature monitoring (max. 1 SingleDISPLAY, max. 3 TwinDISPLAY) - price per sensor	V6							
Fan speed monitoring with switching-off the heating and with alarm in case of failure - only for IFplus	V4								
Door with lock and key (safety lock)	B6								
Door hinged on the left	B8						-		
Potential-free contact for combination error message (e.g. supply failure, sensor fault, fuse)	H6								
Door-open-recognition (only for units with TwinDISPLAY)	V5								
MobileALERT, notification by SMS in case of any error or alarm of the device (requires option H6)	C3								
Castor frame (2-part), height 140 mm	R9						-		
Fresh-air filter (filtration efficiency 80 %) mounted at the device bottom (for devices with forced air circulation, sizes 30 - 260 require castor frame R9 or subframe)	R8								

Accessories	30	55	75	110	160	260	450	750
Stainless steel grid, electropolished	E28884	E20164		E20165		E28891	E20182	
Reinforced stainless steel grid, electropolished, max. loading 60 kg; from size 450 with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber	-			E29767		E29766	B32190	
Perforated stainless steel shelf	B29727	B03916		B00325		B29725	B00328	
Reinforced stainless steel shelf, max. loading 60 kg; with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber				-		B32191		
Stainless steel slide-in drip tray, 15 mm rim, with guide bars and fixing screws (may affect the temperature distribution, requires option K1)				-		B32763		
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1 for sizes 450/750)	E02070	E02072		E02073		B29726	E02075	
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, requires option K1)				-		B34055		

Accessories	30	55	75	110	160	260	450	750
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1 for sizes 450/750)	B04356	B04358		B04359		B29722	B04362	
Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), straight, for exhaust air ducting (if necessary for connection by hose)	B29718							
Plug-in tube extension (outer diam. 60.3 mm, inner 57 mm), angled, for exhaust air ducting (if necessary for connection by hose)	B29719							
Wall bracket for wall mounting	B29755	B29756	B29757	B29758	B29759	-		
Flush-fit unit (stainless steel frame covering gap between oven and wall opening), with air slots	B29728	B29730	B29732	B29734	B29736	B29738	B29740	B29742
Flush-fit unit (stainless steel frame covering gap between oven and wall opening), without air slots	B29729	B29731	B29733	B29735	B29737	B29739	B29741	B29743
Stacking set (4 pcs) for stacking of appliances of same size	B29744				-			
Set of height adjustable feet (4 pcs)	B29768					-		
Subframe, adjustable in height (size 30 to 75: height 600 mm, from size 110: height 500 mm)	B29745	B29747		B29749		B29751	B29753	-
Subframe, on castors (size 30 to 75: height 660 mm, size 110 to 160: height 560 mm)	B29746	B29748		B29750		-		
Subframe, adjustable in height, height 130 mm	B33657	B33659		B33661		B33664	-	

Accessories Software and Connectivity	30	55	75	110	160	260	450	750
Software conforming to FDA AtmoCONTROL. Meets the requirements for the use of electronically stored data sets and electronic signatures as laid down in Regulation 21 CFR Part 11 of the US Food and Drug Administration (FDA). Base licence for the control of one unit (only for units with TwinDISPLAY). Respective IQ/OQ documents available in German and English language (without surcharge)	FDAQ1							
Integration of one additional unit (up to max. 31 units) into an already existent FDA-software licence (only for units with TwinDISPLAY)	FDAQ2							
USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID-programme) on Memory-stick, prevents undesired manipulation by unauthorised third parties. When reordering please specify serial number (only for units with TwinDISPLAY)	B33170							
USB stick with documentation software AtmoCONTROL and operation manual for products with SingleDISPLAY (the standard equipment of appliances with TwinDISPLAY includes one USB stick with AtmoCONTROL). When reordering please specify serial number	B33172							
Ethernet connection cable 5 m for computer interface	E06189							
USB-Ethernet adapter	E06192							