

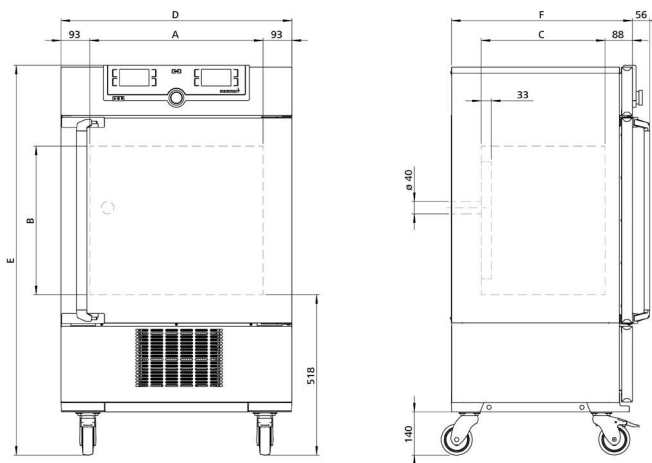
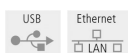
## CLIMATE CHAMBERS ICH

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, mat. 1.4301 (ASTM 304), deepdrawn
- Housing: textured stainless steel 1.4016 (ASTM 430), rear zinc-plated steel 1.0037 (St37-2), intuitively operated TwinDISPLAY (TFT colour display) with touchscreen
- Door: fully insulated stainless steel doors with 2-point locking (compression door lock) and inner glass door, size 750: two leaves
- Connection: mains cable with plug (German type)
- Installation: on lockable castors
- Interfaces:



Model sizes/Description			110	260	750
Stainless steel interior	Volume	l	108	256	749
	Width (A)	mm	560	640	1040
	Height (B)	mm	480	800	1200
	Depth (less 33 mm for fan)	(C) mm	400	500	600
	Max. number of grids/shelves	number	5	9	14
	Max. loading per grid/shelf	kg	20		30
	Max. loading of chamber	kg	150	200	
	Max. loading per slide-in drip tray	kg	3	4	8
	Max. loading per bottom drip tray	kg	3	4	8
Textured stainless steel exterior	Width (D)	mm	745	824	1224
	Height (with castors)	(E) mm	1233	1552	1950
	Depth (without door handle, depth of handle +56 mm)	(F) mm	585	685	785
Standard equipment	Standard works calibration certificate (measuring point chamber center)	°C	+10 °C , +37 °C , +30 °C / 60 % rh		
	Stainless steel grid, electropolished	number	2		
	Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by a silicone stopper, standard position at the back		●		
	Water tank including connection hose		●		
Temperature	Working temperature range without humidity ICH	°C	-10 to +60		
	Working temperature range ICH /ICH L with humidity and/or light	°C	+10 to +60		
	Working temperature range ICH L without humidity	°C	0 to +60		
	Setting temperature range ICH	°C	-10 to +60		
	Setting temperature range ICH L	°C	0 to +60		
	Setting accuracy	°C	0.1		
Humidity	Setting range humidity	% rh	10 to 80		
	Setting accuracy	% rh	0.5		
Light	Illumination unit (only ICH L) acc. ICH Q1B, option 2; separately switchable via controller, one box; number of fluorescent lights with cold white light (size 110: 3, size 260/750: 4), number of fluorescent lights with UV lamps (all sizes: 2)		●		
Further data	Electrical load at 230/115 V, 50/60 Hz ICH	W	1350		
	Electrical load at 230/115 V, 50/60 Hz ICH L	W	1450		1550
Packing data	Net weight	kg	109	160	249
	Gross weight (packed in carton)	kg	137	217	319
	Width	mm	880	930	1330
	Height	mm	1410	1760	2150
	Depth	mm	810	930	1050

Model sizes/Description	110	260	750
<b>Order No. Climate Chambers</b>	<b>ICH110</b>	<b>ICH260</b>	<b>ICH750</b>
<b>ICH = Climate chamber</b>			
<b>ICH L = Climate chamber with light</b>	<b>ICH110L</b>	<b>ICH260L</b>	<b>ICH750L</b>

Options	110	260	750
Voltage 115 V, 50/60 Hz	X2		
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 (ICH)	-	K1	
Illumination unit (has to be ordered together with the chamber) consisting of 4 fluorescent lights with cold white light and 2 UV lamps according ICH Q1B, option 2, separately switchable via controller (only ICH L)	second box -	T72	
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent lamps: size 110: 5, sizes 260/750: 6, with cold white light according to ICH guideline Q1B, option 2 (only ICH L)	one box second box (cannot be switched on separately) -	T81 T82	
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent UV lamps: size 110: 5, sizes 260/750: 6, with UV-A radiation according to ICH guideline Q1B, option 2 (only ICH L)	one box second box (cannot be switched on separately) -	T01 T02	
Interior socket, ampacity 230V / 2,2A / 500W, can be switched off with the On/Off switch, cannot be switched individually, moisture tight IP68 (not for IICH110L) (max. one per appliance)	R3		
Entry port with 23 mm clear diameter, can be closed, standard position (F1 and F3 not for models ICH L)	left centre/centre	F0	
	left centre/top	F1	
	right centre/top	-	F3
Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by silicone stopper, at the back (please state location). Not for models ICH L	-	F7	
4 - 20 mA current loop interface	Temperature controller actual value (-20 to +70 °C = 4 - 20 mA)	V3	
	Temperature of a Pt100 sensor positioned flexibly in chamber for external temperature monitoring (max. 3) - price per sensor (-20 to +70 °C = 4 - 20 mA)	V6	
	Humidity controller, actual value (0 to 100 % rh = 4 - 20 mA)	V7	
Fan speed monitoring with switching off the heating and with alarm in case of failure	V4		
Compressed air dehumidification (efficient dehumidification of the interior by means of compressed air). Standard works calibration certificate (measuring point chamber centre) at +10 °C with 10 % rh	C9		
Door with lock and key (safety lock)	B6		
Potential-free contact for combination error message (e.g. supply failure, sensor fault, fuse)	H6		
Door-open-recognition, shuts down humidity, light (standard with ICH L)	V5		
MobileALERT, notification by SMS in case of any error or alarm of the device (requires option H6)	C3		

Accessories	110	260	750
Stainless steel grid, electropolished	E20165	E28891	E20182
Reinforced stainless steel grid, electropolished, max. loading 60 kg; size 750 with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber	E29767	E29766	B32190
Perforated stainless steel shelf	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)	E02073	B29726	E02075
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, requires option K1)	-		B34055
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1 for sizes 450/750)	B04359	B29722	B04362
Holder for water tank (2.5 litres) for mounting on the rear of the appliance. Standard equipment for size 750	E32172		-
Central water supply with filter cartridges for connection to the domestic water supply. Product information on demand	ZWVR6		
Central water supply without filter cartridges for connection to the domestic water supply (only for demineralised water with a conductivity of 5 to 10 µS/cm and a pH value between 5 and 7). Product information on demand	ZWVR7		
External measuring instrument with sensors for daylight and UV-light. Product information on demand (only ICH L)	B04713		
External measuring instrument with additional measuring head for temperature and humidity measurement. Product information on demand	B04714		

Accessories   Software and Connectivity	110	260	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). Respective IQ/OQ documents available in German and English language (without surcharge)	FDAQ1		
Integration of additional units (up to max. 31 units) into an already existent FDA-software licence	FDAQ2		

Accessories   Software and Connectivity	110	260	750
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		B33170	
Ethernet connection cable 5 m for computer interface		E06189	
USB-Ethernet adapter		E06192	