



CALIBRATION TEMPERATURE CHAMBER

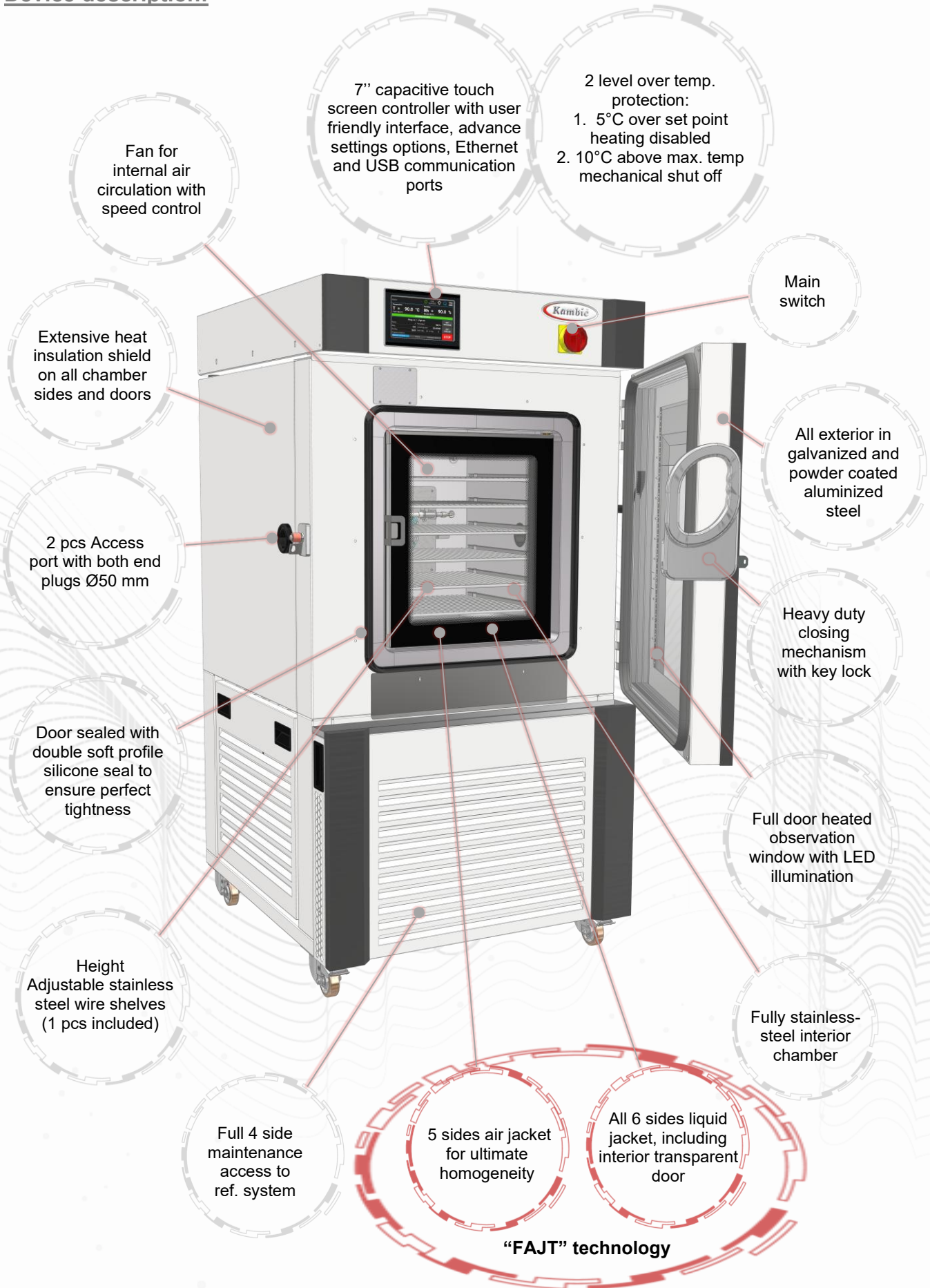
(- 60 °C ...+ 80 °C)

Model:
ULTRA-80

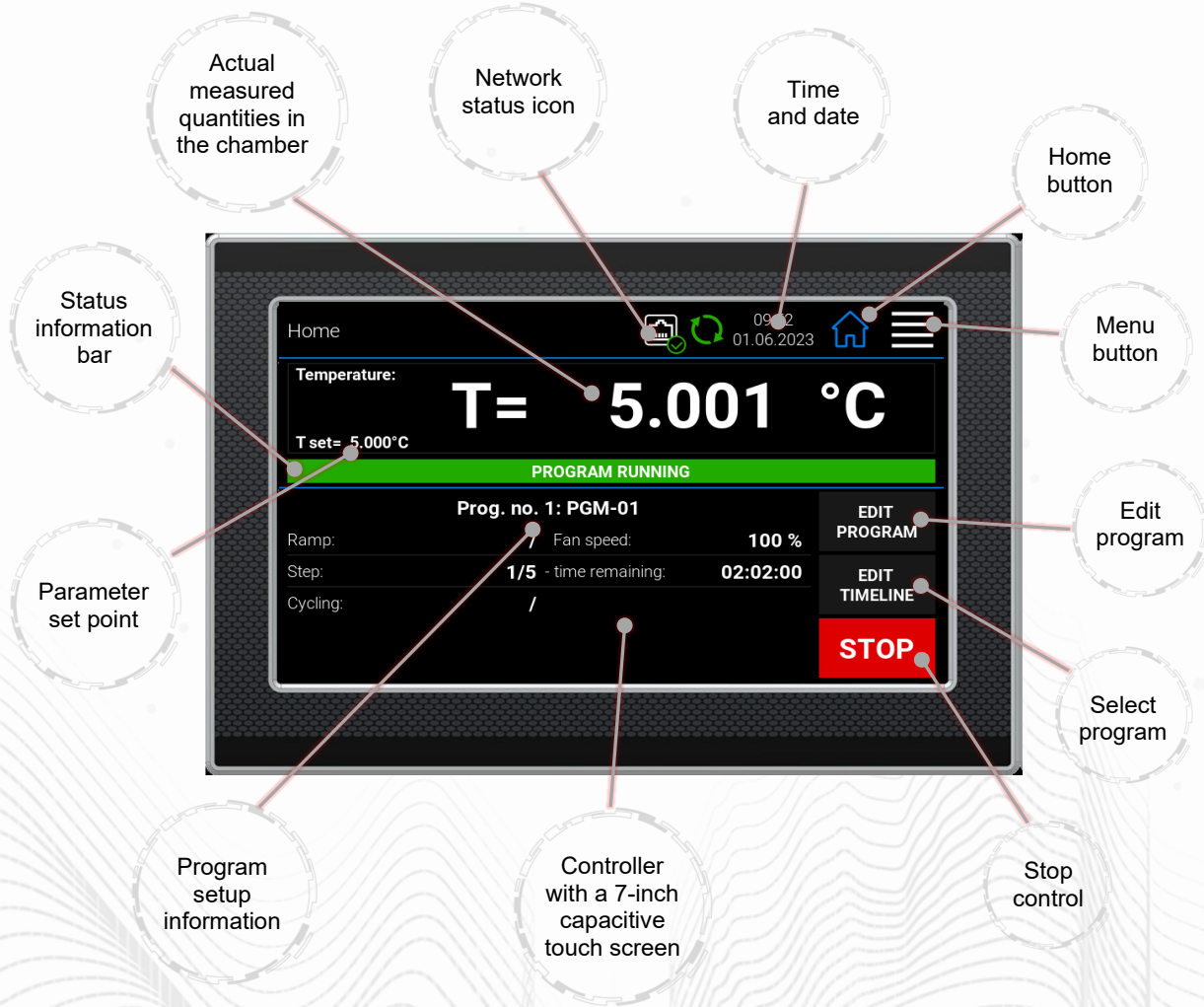
- Superior temperature control with FAJT (fluid + air jacket technology)
 - Perfect for calibration of air temperature sensors
 - Convenient – Side Access for Cables & Probes
 - Data loggers and sensors calibration
 - World-class metrology performance



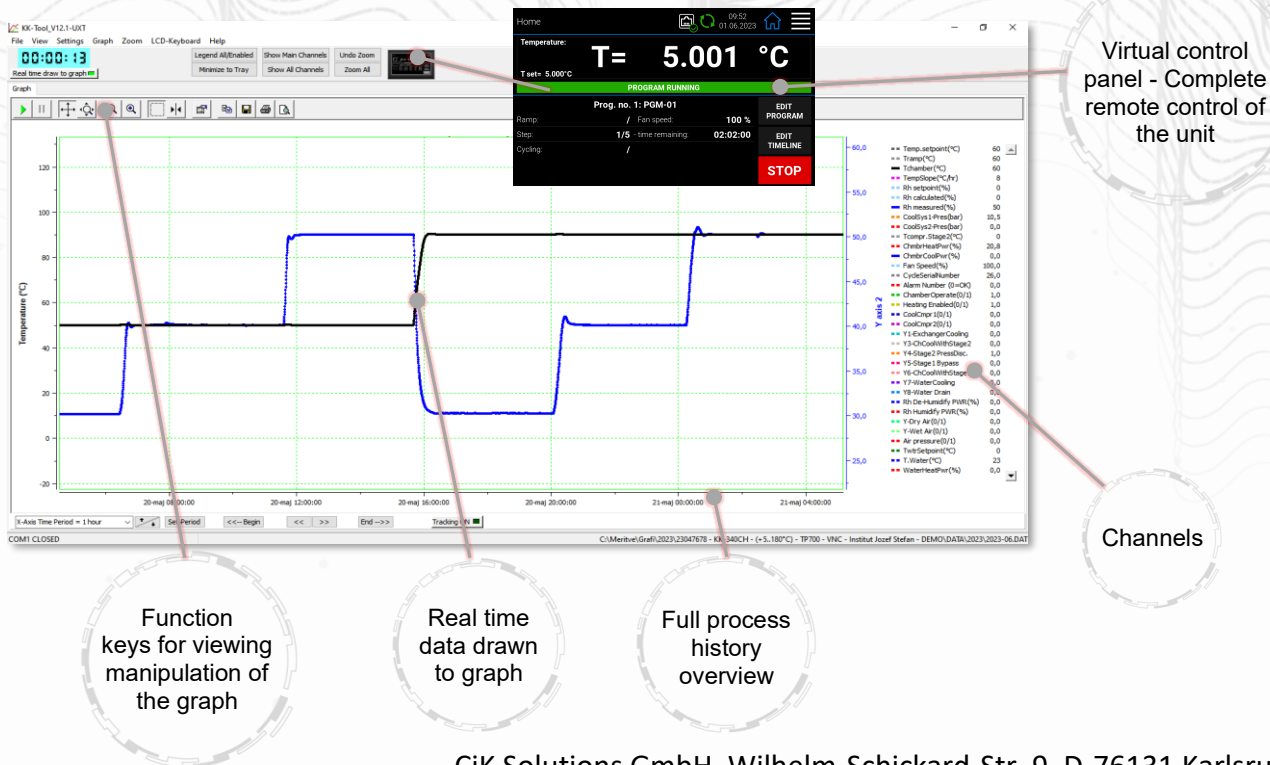
Device description:



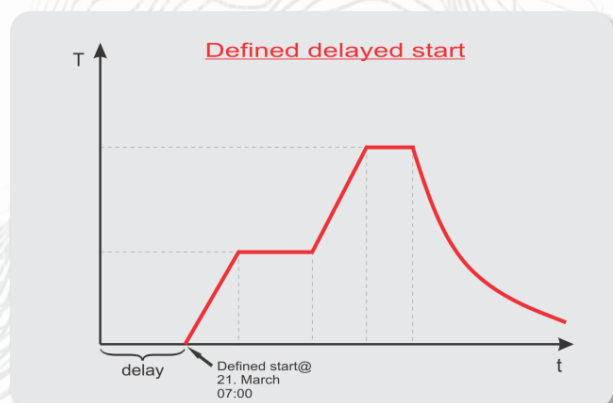
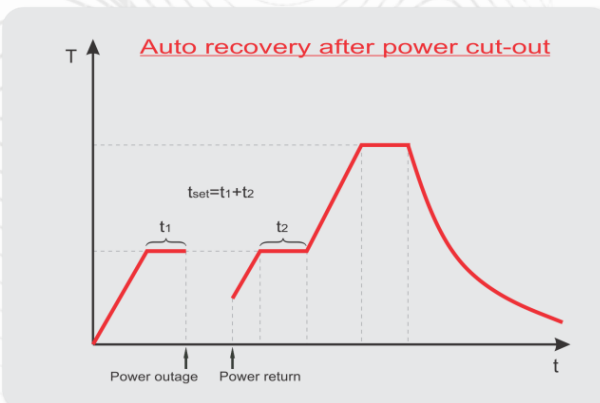
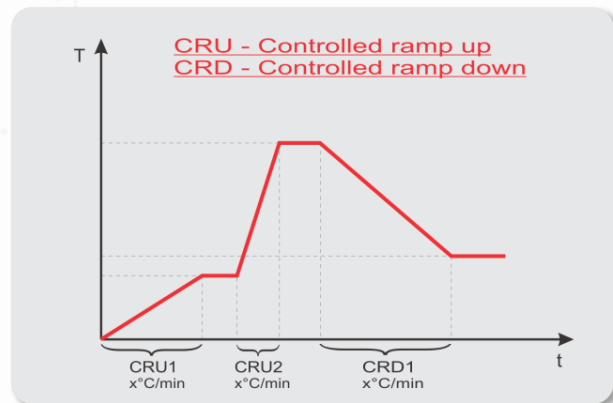
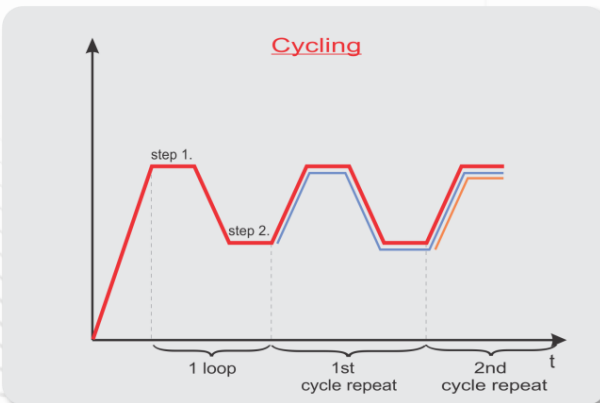
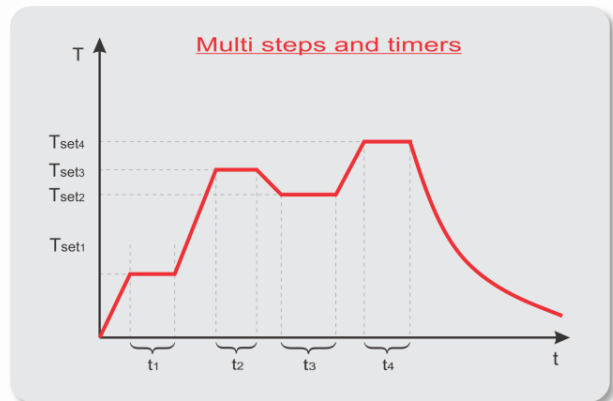
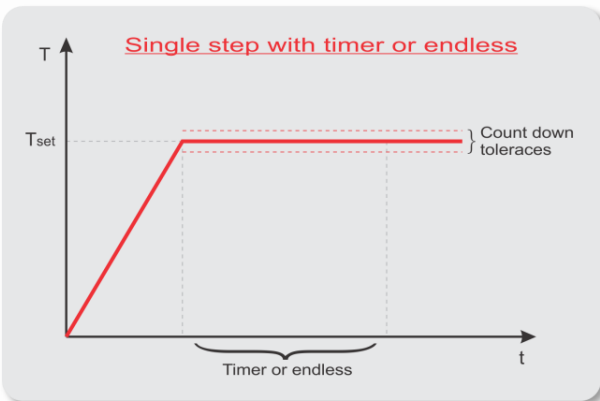
Touch display with advanced controller functions:




Software for PC (free – included with every unit):



Controller functions:



	ULTRA-80
	
External dimensions (WxHxD) [mm]	835 x 1692 x 954
Internal dimensions (WxHxD) [mm]	430 x 475 x 410
Volume [L]	~ 80
Temperature range [°C]	- 60 ...+ 80
Heat up rate [°C/h]	10 °C/h average
Cool down rate [°C/h]	20 °C/h average
Temperature display res [°C]	0.001
Temperature set res. [°C]	0.001
Temperature stability [°C]	± 0.003 @ - 60 °C...+80 °C (full range)
Temperature uniformity [°C]	± 0.08 @ - 50 °C ± 0.08 @ - 40 °C ± 0.06 @ - 20 °C ± 0.04 @ 0 °C ± 0.03 @ + 20 °C ± 0.06 @ + 40 °C ± 0.08 @ + 60 °C
Temperature control	PID (PT-100) Cascade PID
Power supply	230V 50/60 Hz
Wattage [W]	3500
Interface	USB and Ethernet
Shelve	1 (max 6)
Shelve capacity [kg]	20
Max capacity [kg]	50
Observation window	As standard
Access ports [mm]	1 Ø 50 (left side) 1 Ø 50 (right side)
Noise [dBA] @ 1 m distance	58
Weight [kg]	350

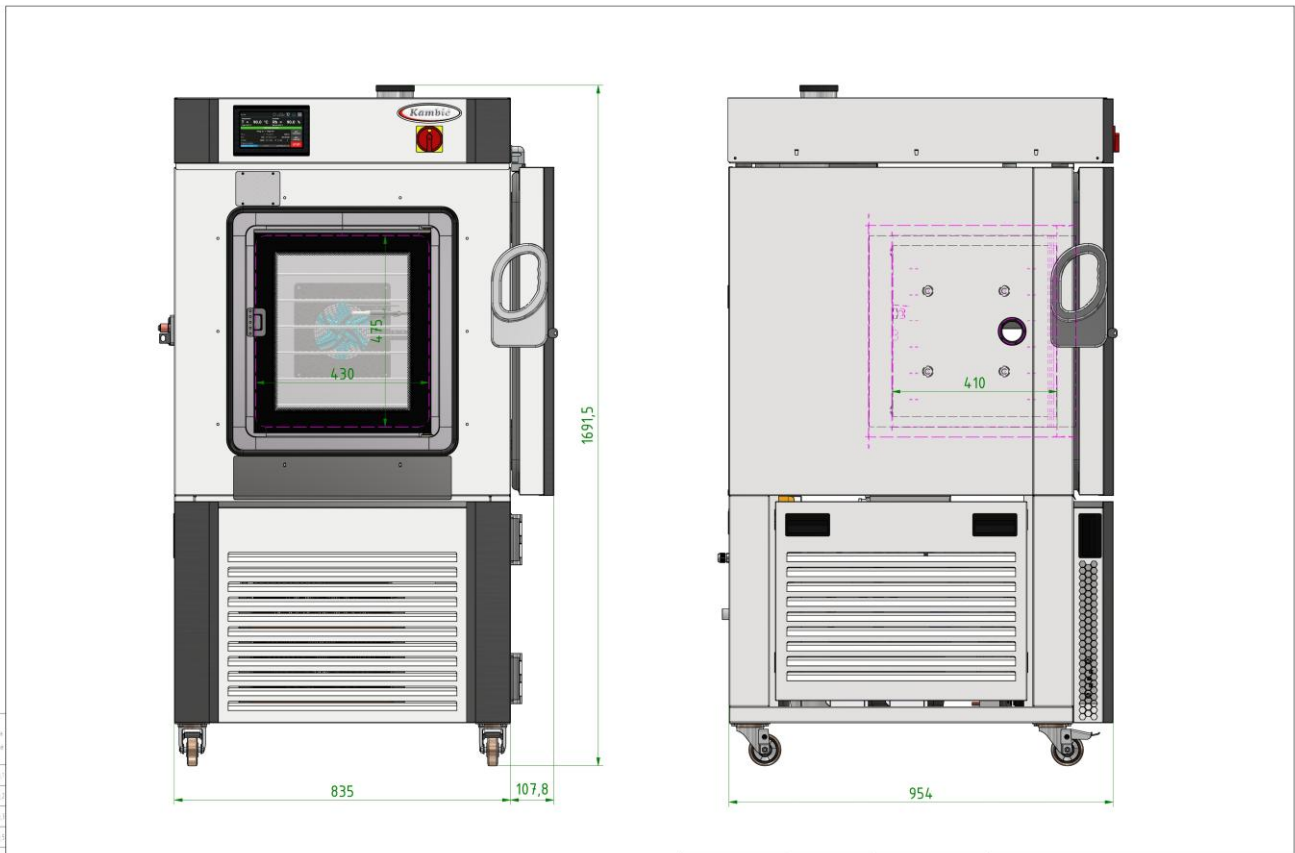
**All performance in controlled environment ($T_{ambient} = 21\text{ °C} \pm 3\text{ °C}$)!*

**Accessories might affect performance!*


Ordering information and accessories

Description	Part no.
Calibration Temperature chamber ULTRA-80	1364
Additional shelf	1365
Evaluation report 9 points, 3 temp. values - performed by Kambic	1719
Evaluation report 9 points, 3 temp. values - Accredited	1777

**Accessories might affect performance!*



01	01	01
02	02	02
03	03	03
04	04	04
05	05	05
06	06	06
07	07	07
08	08	08
09	09	09
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Aparat:	Merilo: 1 : 8	Kos: 1	ULTRA-80			
ULTRA-80	Material:					
	Dne:	Ime in priimek:	Projekt:	Stevilka risbe:	S.K.	Verzija List:
	Izdelal:	5.05.2025	Natanael M.	1179	000.0	01 Str.: 2
	Pregledal:					01 List: 2

D:\Natanael\projekti\1179\TK-80 XL\Kosbe200_TK-80 XL.dwg