



CALIBRATION TEMPERATURE CHAMBER

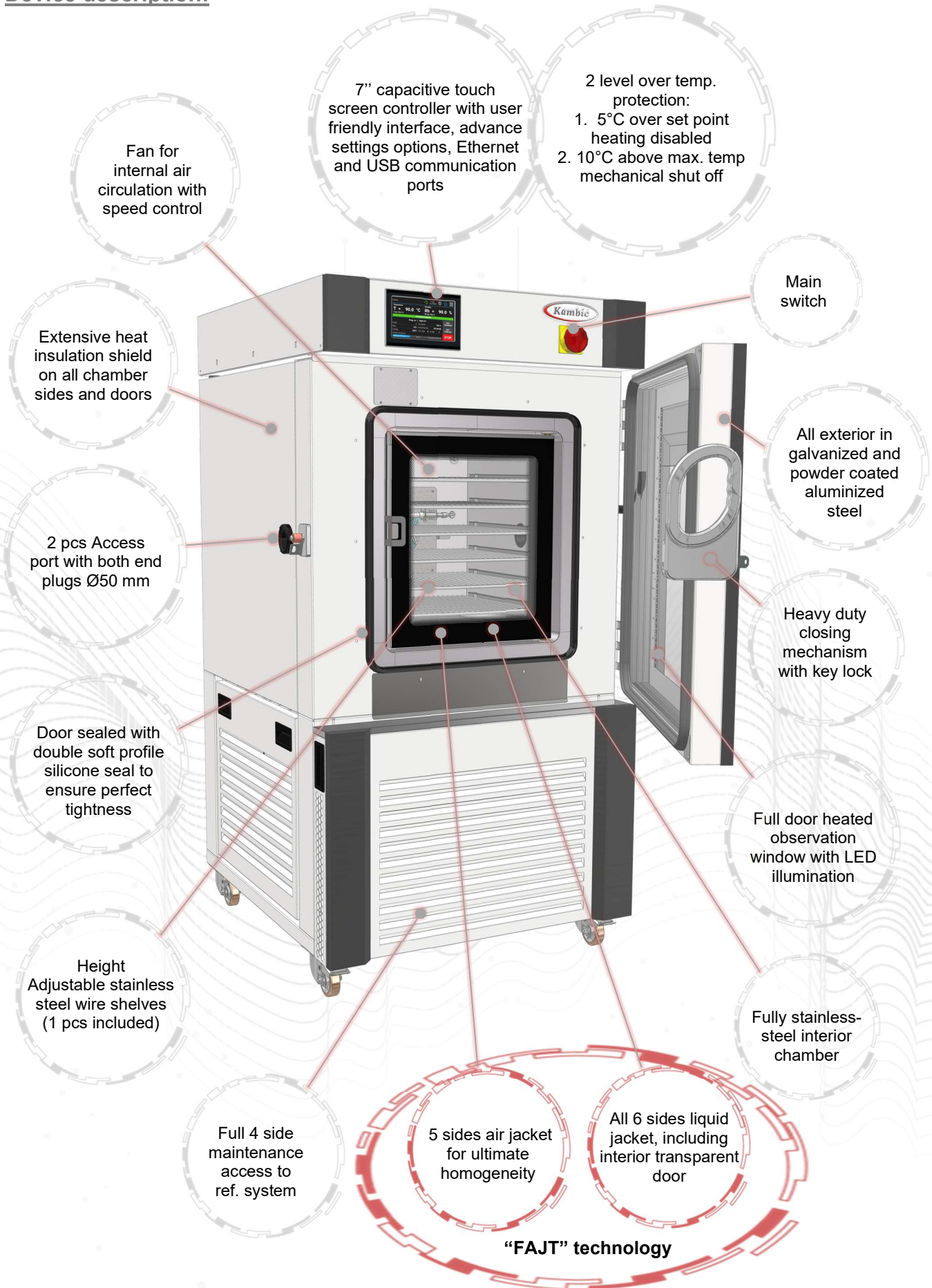
(- 60 °C ...+ 80 °C)

Model:
ULTRA-80

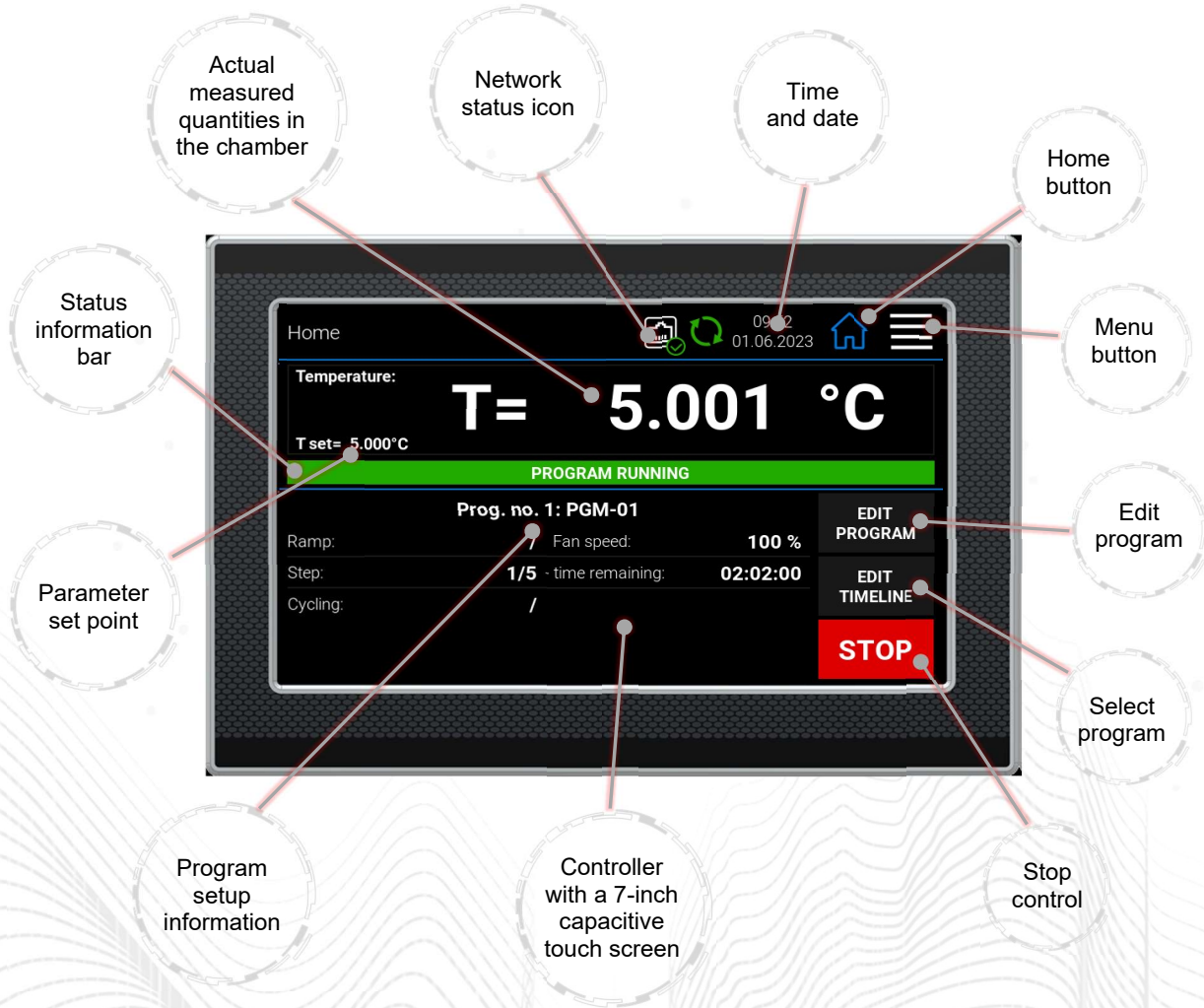
- Superior temperature control with FAJT (fluid + air jacket technology)
 - Perfect for calibration of air temperature sensors
 - Convenient – Side Access for Cables & Probes
 - Data loggers and sensors calibration
 - World-class metrology performance



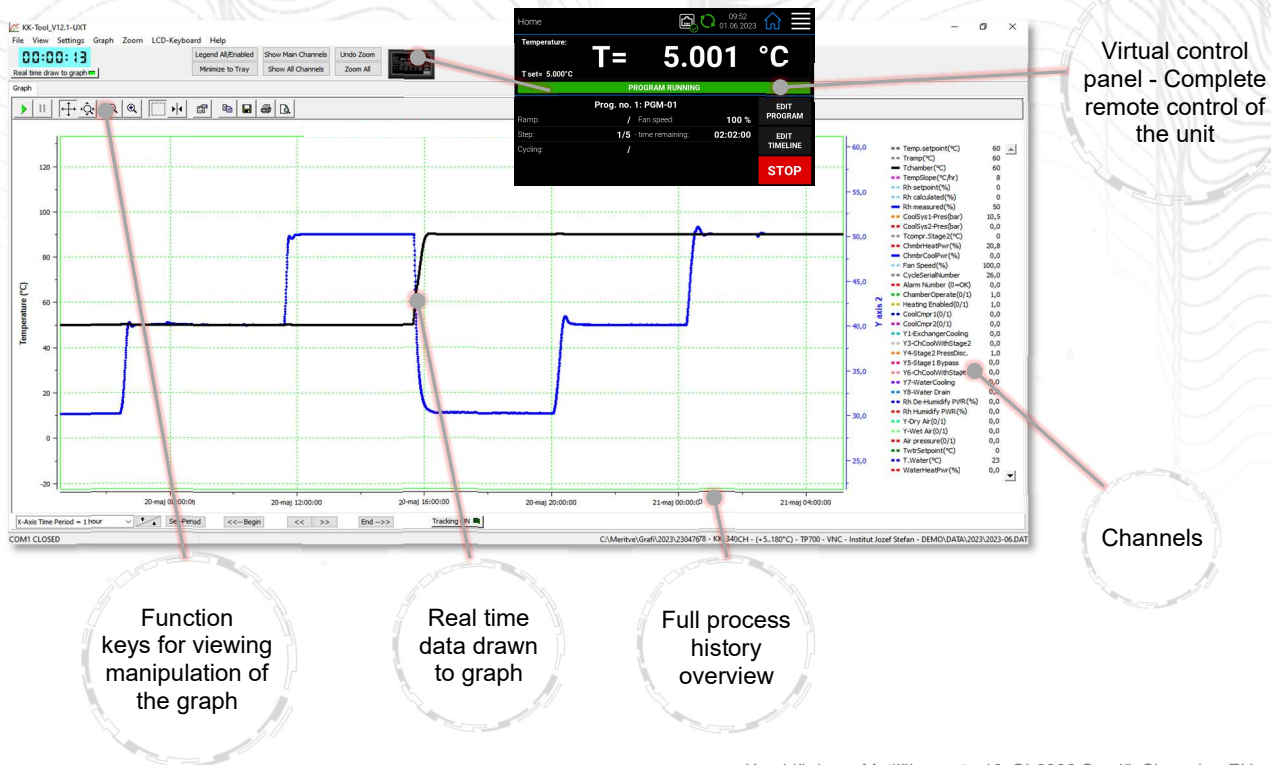
Device description:



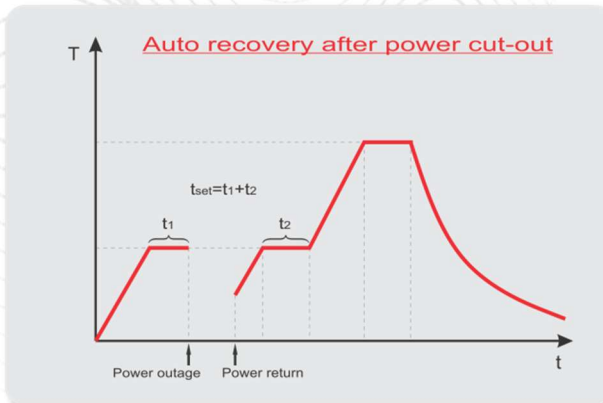
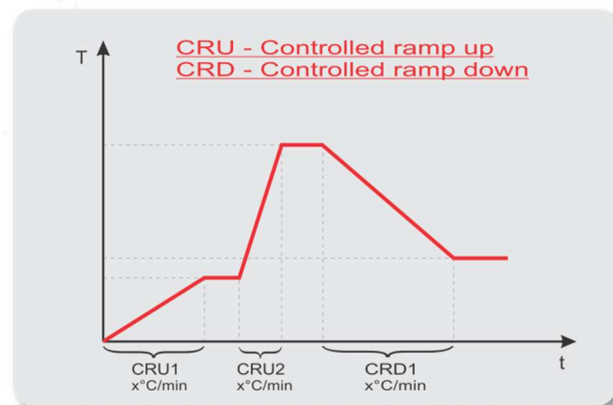
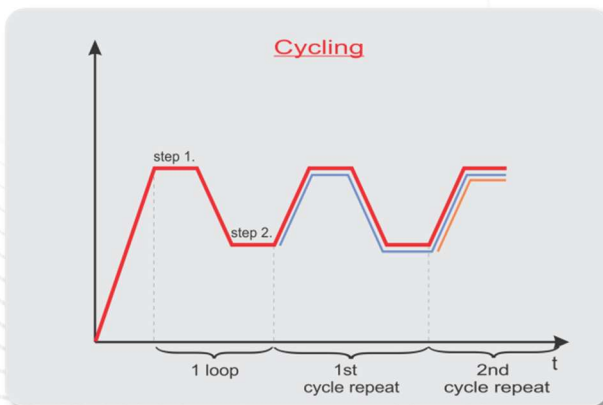
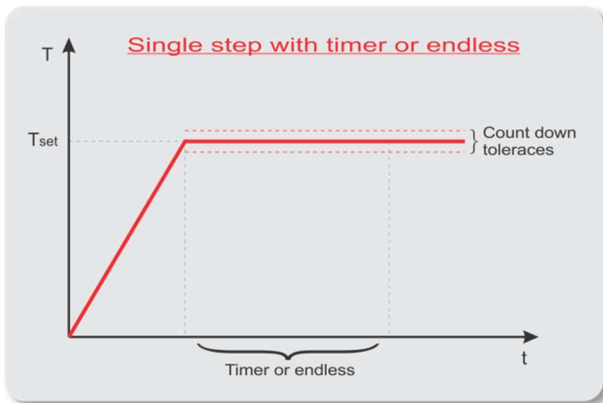
Touch display with advanced controller functions:




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!*



Državna	
agencija za	
metrolometrijo	
SI-M	
SI-M-1	
SI-M-1-1	
SI-M-1-1-1	
SI-M-1-1-1-1	
SI-M-1-1-1-1-1	
SI-M-1-1-1-1-1-1	
SI-M-1-1-1-1-1-1-1	
SI-M-1-1-1-1-1-1-1-1	
SI-M-1-1-1-1-1-1-1-1-1	
SI-M-1-1-1-1-1-1-1-1-1-1	

Anarar:		Merilo: 1 : 8		Kos: 1		ULTRA-80			
ULTRA-80		Material:							
		Dne:		Ime in priimek:		Projekt:		Številka risbe:	
		5. 05. 2025		Nataanael M.		1179		000.0	
Pregledal:								Š.K.	
								Verzija List:	
								01 št.: 2	
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