CALIBRATION CLIMATIC CHAMBER

(- 5 °C ...+ 60 °C)

K3-125 DFA

Calibration climatic chamber - metrology performance:

- Perfect for calibration of air temperature and relative humidity sensors
- Superior temperature & humidity control and uniformity
- Convenient– Side Access for Cables & Probes
- Data loggers and sensors calibration
- World-class metrology performance
- Mixed flow humidity control

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Kambič

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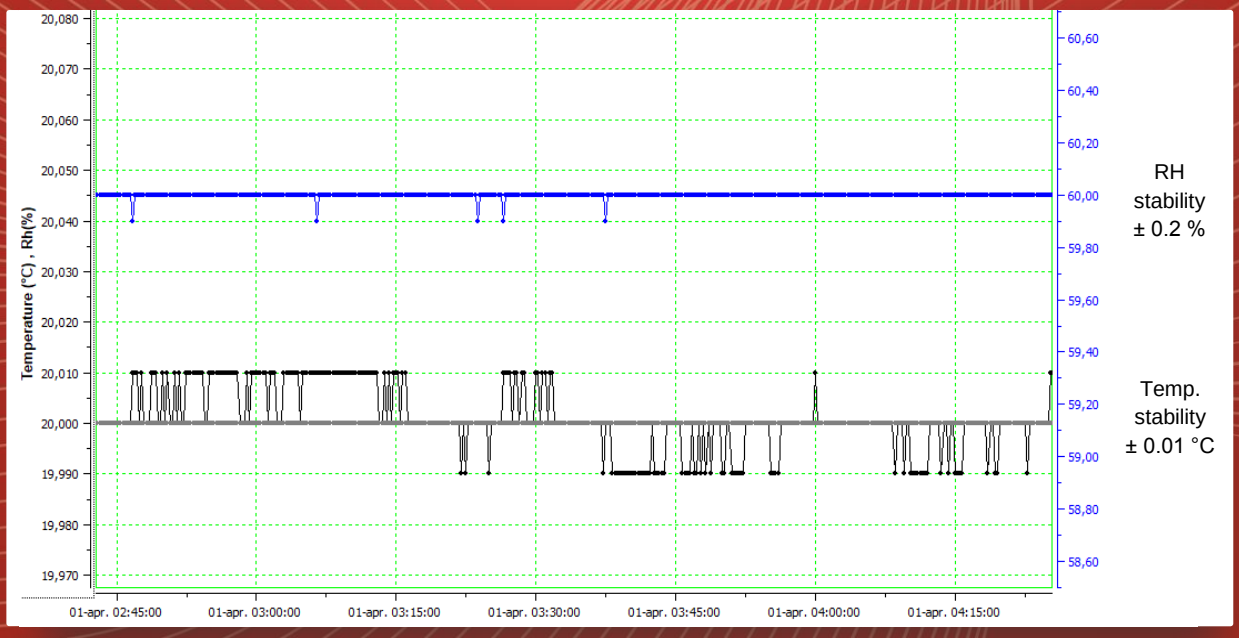
User interface:

Chamber temperature & Rh stability at + 20 °C and 60 % Rh:



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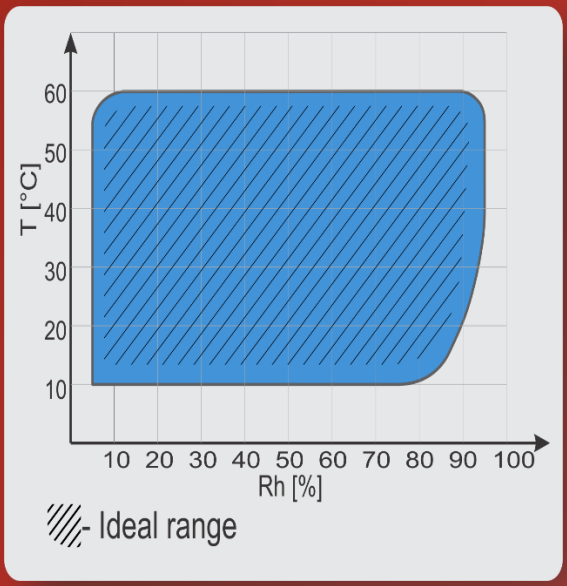
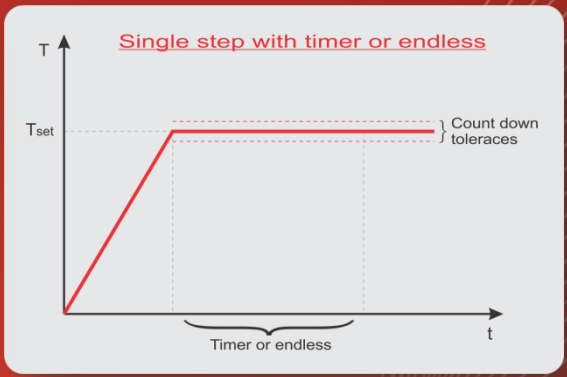
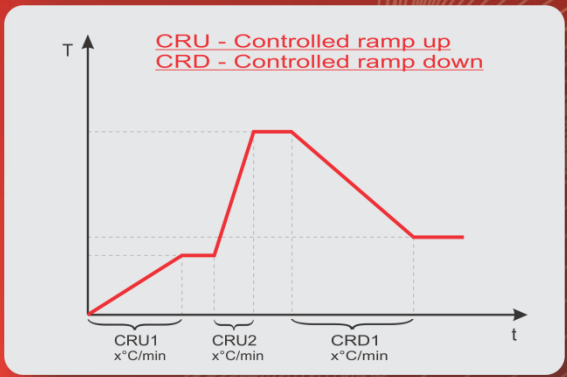
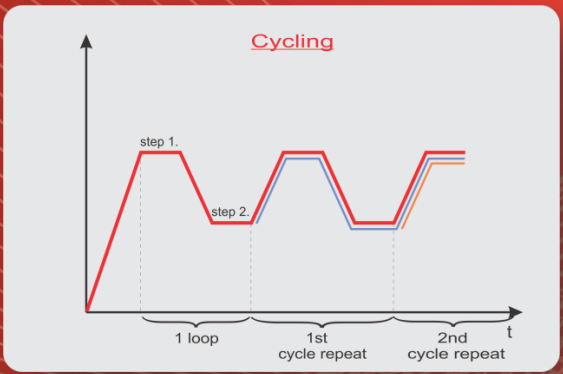
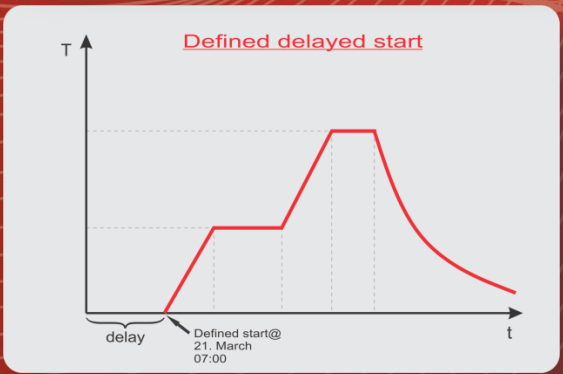
Controller functions:

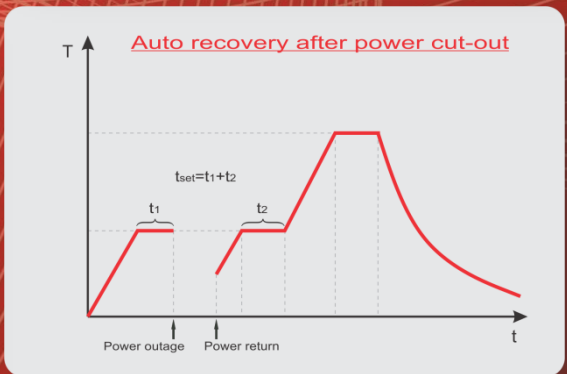












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Technical data:

	K3-125 DFA
External dimensions (WxHxD) in mm	670 x 1140 x 920
Internal dimensions (WxHxD) in mm	500 x 450 x 500
Volume (L)	~ 112
Temperature range (°C)	- 5 …+ 60
Temperature display resolution (°C)	0.001
Temperature set resolution (°C)	0.1
Temperature stability (°C)	± 0.06 @ + 0 °C ± 0.05 @ + 15 °C, 75 % Rh ± 0.05 @ + 20 °C, 60 % Rh ± 0.08 @ + 30 °C, 65 % Rh ± 0.05 @ + 50 °C, 75 % Rh ± 0.05 @ + 50 °C, 15 % Rh
Temperature uniformity (°C)	± 0.15 @ + 0 °C ± 0.25 @ + 15 °C, 75 % Rh ± 0.25 @ + 20 °C, 60 % Rh ± 0.40 @ + 30 °C, 65 % Rh ± 0.20 @ + 50 °C, 75 % Rh ± 0.20 @ + 50 °C, 15 % Rh
Relative humidity range (%)	5…95
Relative humidity display resolution (%)	0.1
Relative humidity set resolution (%)	0.1
Relative humidity stability (%)	± 0.3 @ 20 °C, 60 % Rh (better than ± 0.5 full range)
Temperature control	PID
Relative humidity control	Mixed flow
Power supply	230 V 50/60 Hz
Wattage (W)	2300
Compressed air supply	Min. 5 bar
Interface	RS 232 (USB and Ethernet as option)
Shelve	1 (max 6)
Shelve capacity (kg)	20
Max capacity (kg)	50
Access port (mm)	1 x Ø 50 left wall as standard, Ø 40, Ø 50, Ø 90 (accessory)
Noise (dBA) @ 1 m distance	< 58
Weight (kg)	~ 145

*All performance in controlled environment (Tambient = 22 °C ± 3 °C)!

*Accessories might affect performance!

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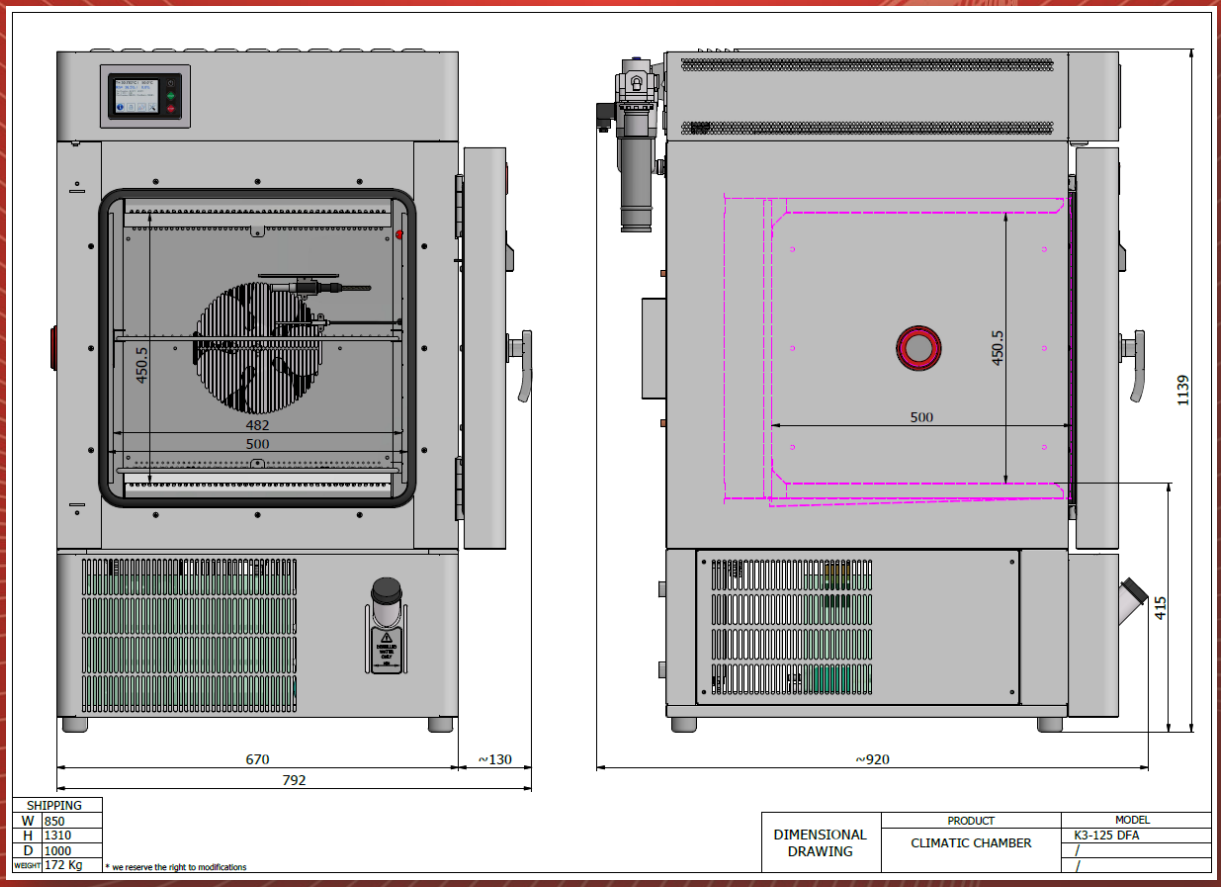
Ordering information and accessories:

Description	Part no.
Climatic chamber K3-125 DFA	1200
USB interface	1466
Ethernet interface	1716
Shelve K3-125 DFA	2608
Access Port w. Plug Ø 40 mm right	2629
Access Port w. Plug Ø 50 mm right	608
Access Port w. Plug Ø 90 mm right	1731
Observation window with illumination (305 x 292 mm)	252
K3-Tool (Software Monitoring & History)	1663
Password protection	1718
Evaluation report	1719
Trolley	2610
Evaluation report 9 points, 3 climatic values - performed by Kambic	1719
Evaluation report 9 points, 3 climatic values - Accredited	1777

*Accessories might affect performance



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