AIR BATH

TK-8 US

TK-50 US

TK-105 US

TK-190 US

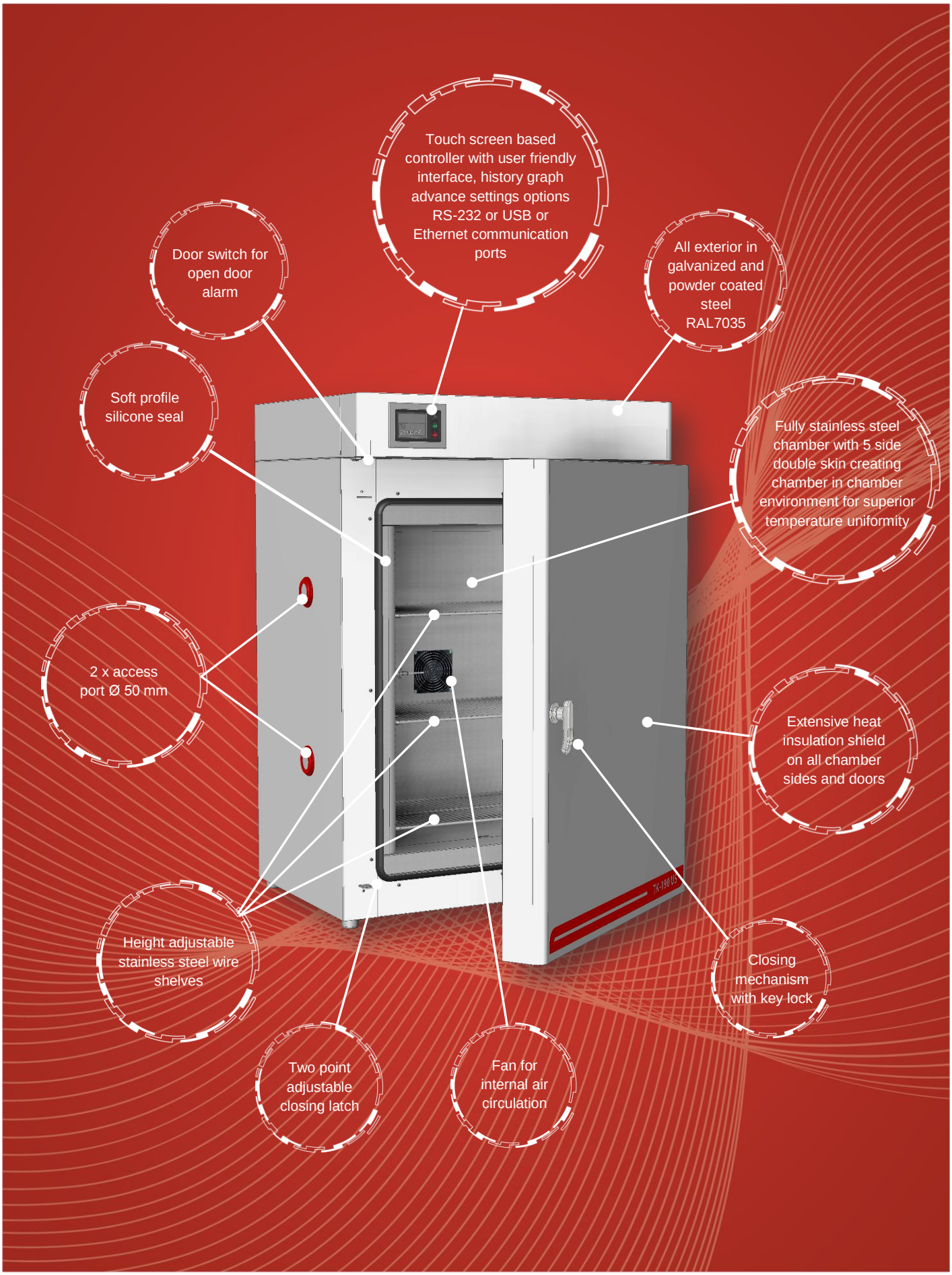
TK-300 US

Refined solution for ultra-stable temperature environment 24/7, 365:

- Convenient Front Access – Side Access for Cables & Probes
- Dry, clean, stable, silent, storage for standard resistors
- Keeping the temperature within 10mK over months
- Perfect for checking temperature coefficients
- Peltier driven technology
- Cascade PID control

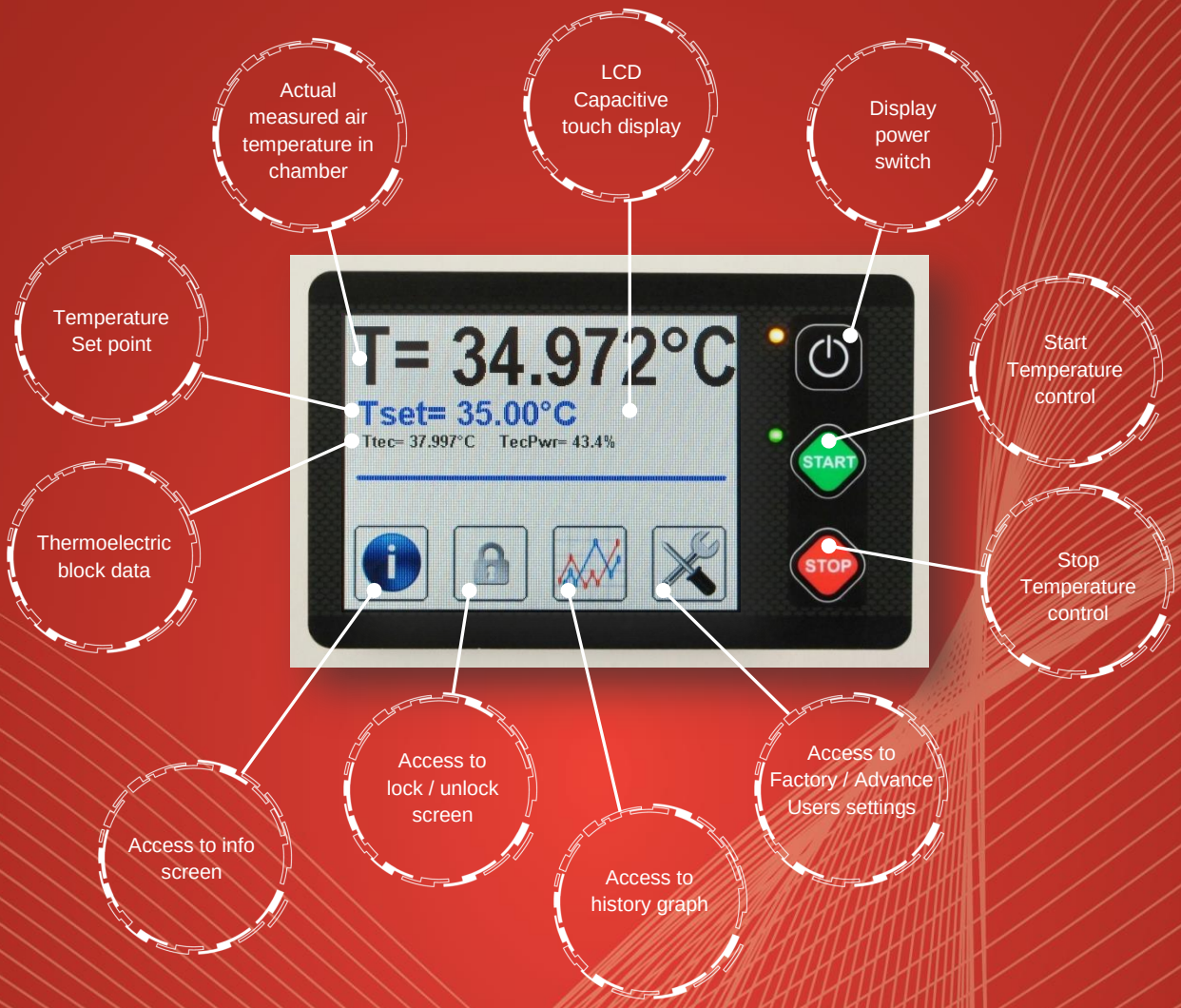
Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

Kambič

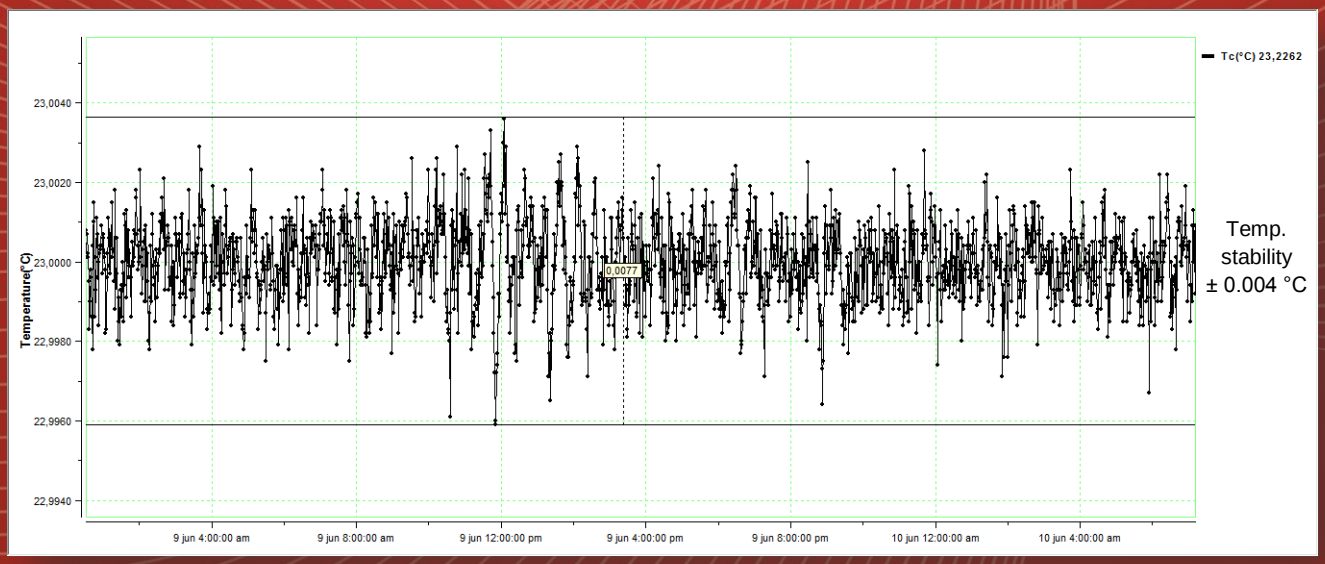


Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

Controller functions:

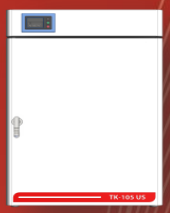


Chamber temperature stability graph at + 23 °C:



Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

Technical data:

	TK-8 US	TK-50 US
		
External dimensions (WxHxD) in mm	230 x 578 x 332	705 x 865 x 640
Internal dimensions (WxHxD) in mm	160 x 330 x 157	400 x 375 x 350
Volume (L)	~ 8	~ 53
Temperature range (°C)	+ 15 …+ 50	+ 15 …+ 50
Temperature display resolution (°C)	0.001	0.001
Temperature set resolution (°C)	0.01	0.01
Temperature stability (°C)	± 0.005 @ 23 °C	± 0.005 @ 23 °C
Temperature uniformity (°C)	± 0.01 @ 23 °C ± 0.05 @ 15 °C ± 0.10 @ 35 °C	± 0.01 @ 23 °C ± 0.05 @ 15 °C ± 0.10 @ 35 °C
Heating rate	~ 80 min (+ 15 °C …+ 50 °C)	~ 80 min (+ 15 °C …+ 50 °C)
Cooling rate	~ 80 min (+ 50 °C …+ 15 °C)	~ 80 min (+ 50 °C …+ 15 °C)
Temperature Control	Cascade PID	Cascade PID
Power supply	230 V 50/60 HZ (± 10 %)	230 V 50/60 HZ (± 10 %)
Wattage (W)	200	200
Interface	RS 232 (USB or Ethernet as option)	RS 232 (USB or Ethernet as option)
Shelve	2	2
Access port	1 x Ø 40 mm 1 x Ø 50 mm	2 x Ø 50 mm
Weight (kg)	~ 25	~ 79

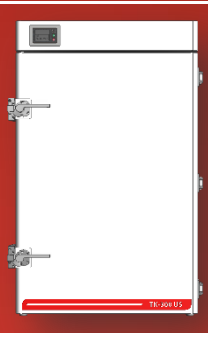
*All performance in controlled environment (Tambient = 22 °C ± 3 °C)!
*Accessories might affect performance!

Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

	TK-105 US	TK-190 US
		
External dimensions (WxHxD) in mm	705 x 1130 x 700	875 x 1300 x 700
Internal dimensions (WxHxD) in mm	400 x 640 x 410	570 x 810 x 410
Volume (L)	~ 105	~ 190
Temperature range (°C)	+ 15 …+ 50	+ 15 … + 50
Temperature display resolution (°C)	0.001	0.001
Temperature set resolution (°C)	0.01	0.01
Temperature stability (°C)	± 0.005 @ 23 °C	± 0.005 @ 23 °C
Temperature uniformity (°C)	± 0.01 @ 23 °C ± 0.05 @ 15 °C ± 0.10 @ 35 °C	± 0.02 @ 23 °C ± 0.08 @ 15 °C ± 0.20 @ 35 °C
Heating rate	~ 110 min (+ 15 °C …+ 50 °C)	~ 145 min (+ 15 °C …+50 °C)
Cooling rate	~ 110 min (+ 50 °C …+ 15 °C)	~ 160 min (+ 50 °C …+ 15° C)
Temperature Control	Cascade PID	Cascade PID
Power supply	230 V 50/60 HZ (± 10 %)	230 V 50/60 HZ (± 10 %)
Wattage (W)	250	250
Interface	RS 232 (USB or Ethernet as option)	RS 232 (USB or Ethernet as option)
Shelve	2	2
Access port	2 x Ø 50 mm	2 x Ø 50 mm
Weight (kg)	~ 112	~ 150

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

Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

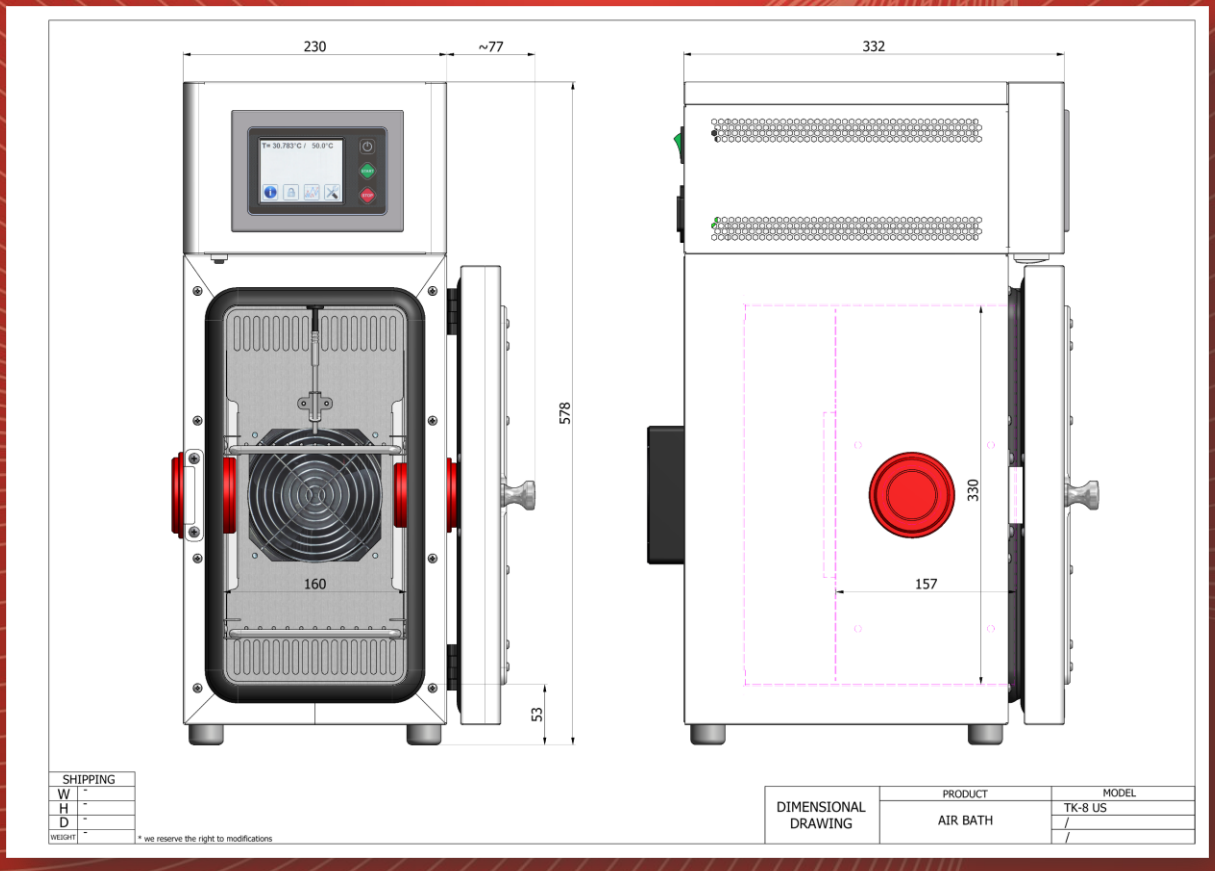
	TK-300 US
	
External dimensions (WxHxD) in mm	905 x 1490 x 800
Internal dimensions (WxHxD) in mm	601 x 1000 x 500
Volume (L)	~ 300
Temperature range (°C)	+ 18 … + 35 °C
Temperature display resolution (°C)	0.001°C
Temperature set resolution (°C)	0.01
Temperature stability (°C)	± 0.005 @ 23 °C
Temperature uniformity (°C)	± 0.04 @ 23 °C ± 0.10 @ 18 °C ± 0.25 @ 35 °C
Heating rate	~ 120 min (+ 18 °C …+ 35 °C)
Cooling rate	~ 120 min (+ 35 °C …+ 18 °C)
Temperature Control	Cascade PID
Power supply	230 V 50/60 HZ (± 10 %)
Wattage (W)	250
Interface	RS 232 (USB or Ethernet as option)
Shelve	2
Access port	2 x Ø 50 mm
Weight (kg)	~ 210

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

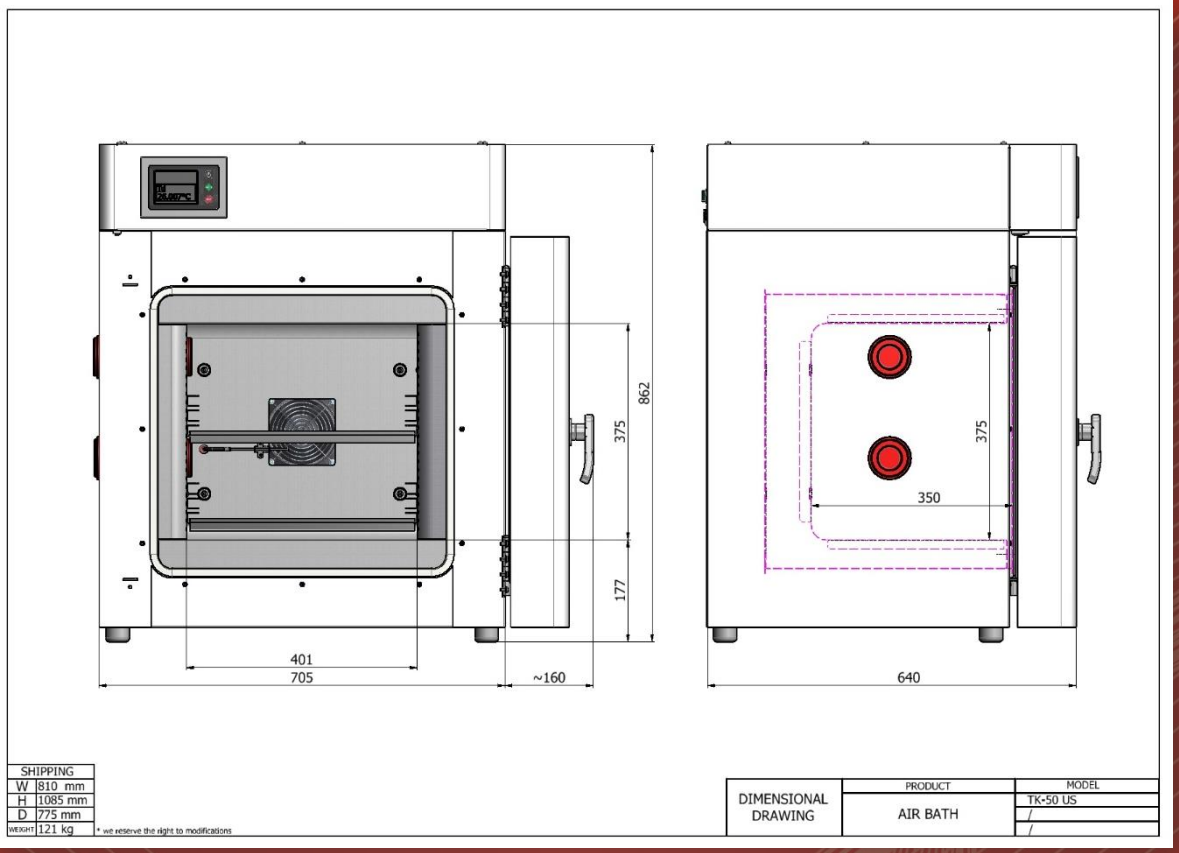
Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com

Ordering information and accessories:

Description	Part no.
Air bath TK-8 US	2831
Air bath TK-50 US	1778
Air bath TK-105 US	1721
Air bath TK-190 US	1722
Air bath TK-300 US	2640
USB interface	1466
Ethernet interface	1716
Shelve TK-8 US	2832
Shelve TK-50 US	1779
Shelve TK-105 US	1725
Shelve TK-190 US	1727
Shelve TK-300 US	1780
Access Port w. Plug Ø 50 mm	608
Password protection	1718
Evaluation report	1719
Evaluation report (Accredited ISO/IEC 17025:2017)	1777
TK-Tool (Monitoring and data collection software)	104
Transportation case for TK-8 US	2833
Trolley for TK-50 US	1781
Trolley for TK-105 US	2611
Trolley for TK-190 US	2612
Trolley for TK-300 US	1782



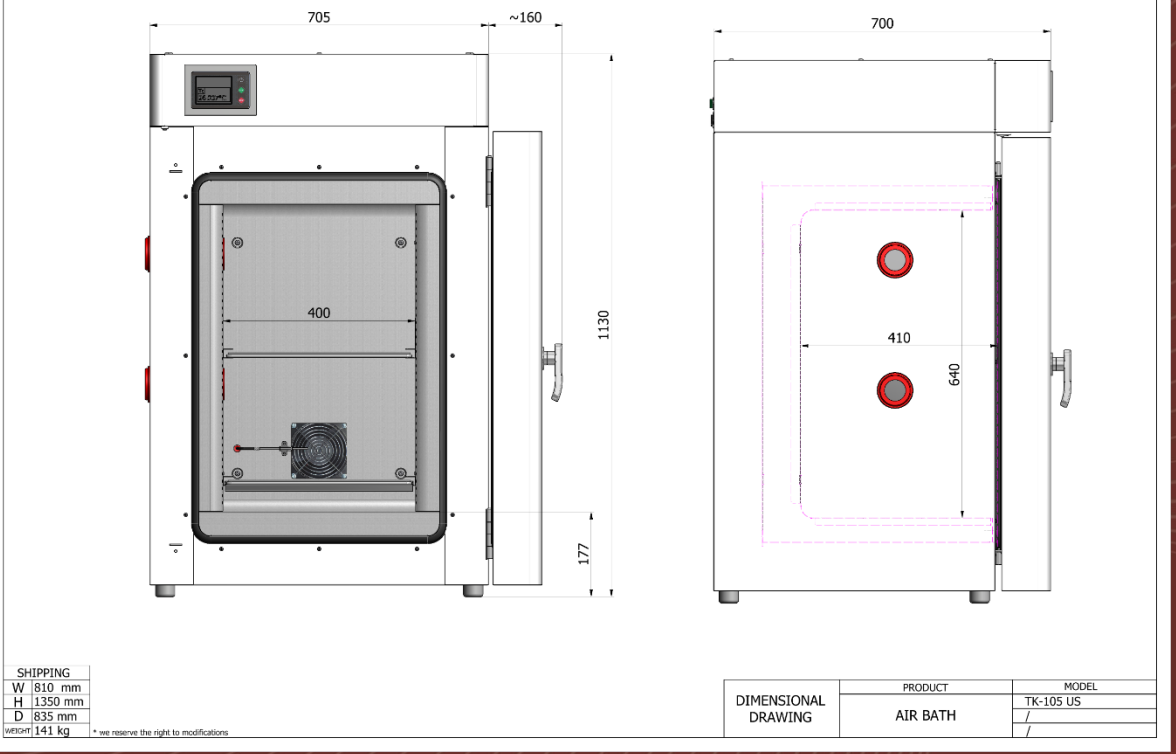
Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com



SHIPPING	
W	810 mm
H	1085 mm
D	775 mm
WEIGHT	121 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	AIR BATH	TK-50 US
		/
		/

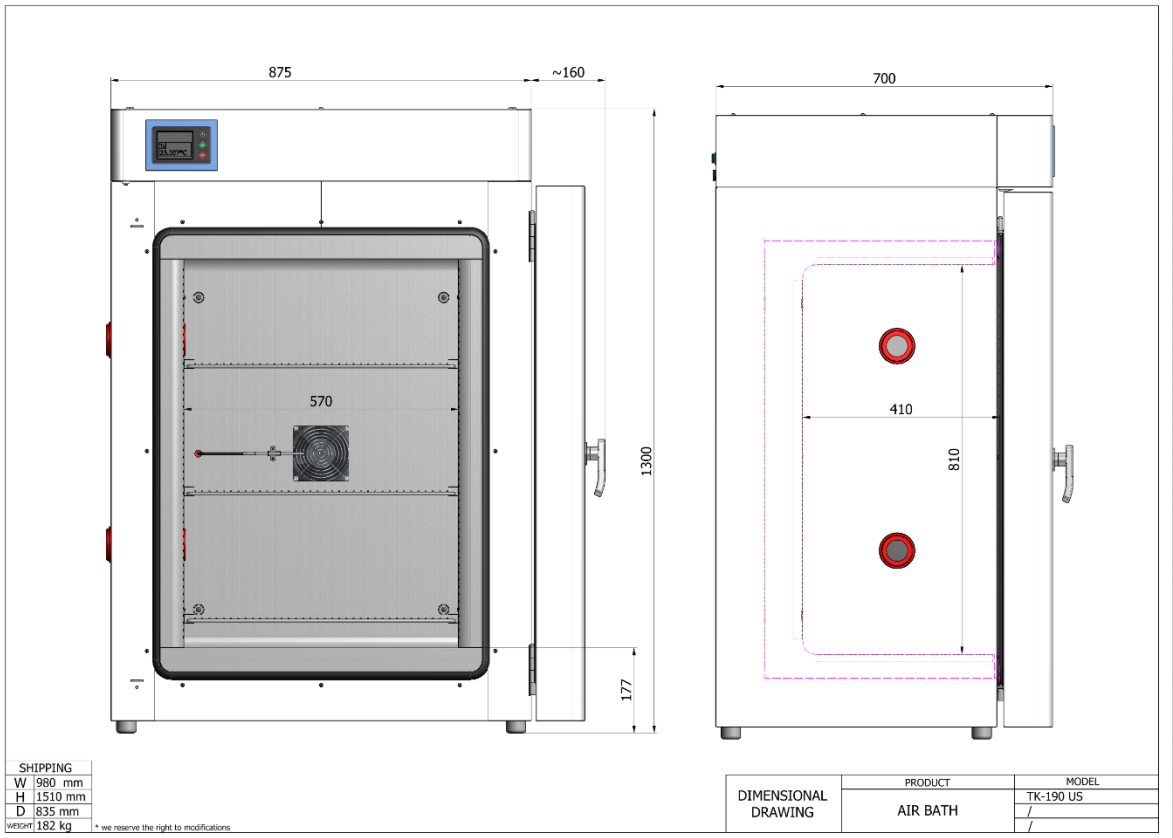


SHIPPING	
W	810 mm
H	1350 mm
D	835 mm
WEIGHT	141 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	AIR BATH	TK-105 US
		/
		/

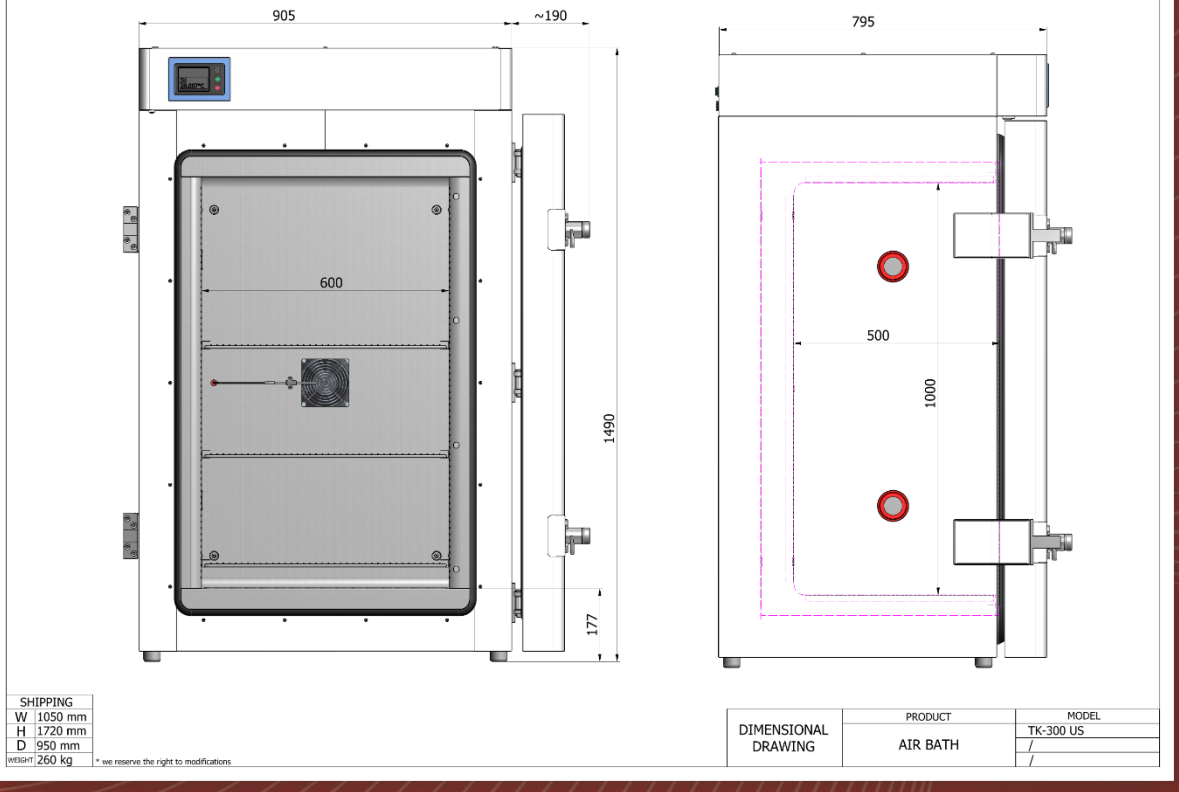
Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com



SHIPPING	
W	980 mm
H	1510 mm
D	835 mm
WEIGHT	182 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	AIR BATH	TK-190 US
		/
		/



SHIPPING	
W	1050 mm
H	1720 mm
D	950 mm
WEIGHT	260 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	AIR BATH	TK-300 US
		/
		/

Kambic d.o.o. Metliska cesta 16; 8333 Semic ; Slovenia - EU
www.kambicmetrology.com
info@kambicmetrology.com