



tempcontrol

MICRO CALIBRATION BATHS

Model:

OBM (+ 35 °C... + 220 °C)

OBM-LT (- 35 °C... + 130 °C)

Portable calibration baths - metrology performance:

- Conventional compressor-based refrigeration system
 - Uniformity and stability in mK range
 - Fluid ensures perfect heat transfer
 - Unique vertical flow design
 - Calibrate sensors in fluid
 - Take it anywhere



Device description:





Stirring
assembly

~ 2 L working
chamber, 80 x 80
mm with immersion
depth 290 mm.

Tank
drain
valve

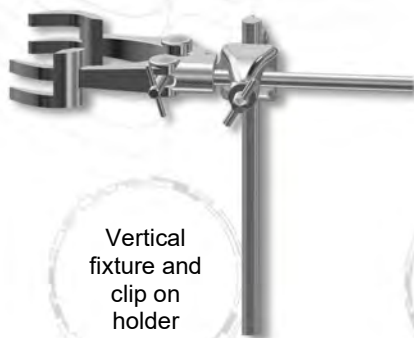
Cooling air
exhaust



Accessories:



Adjustable
multiple
probe fixture



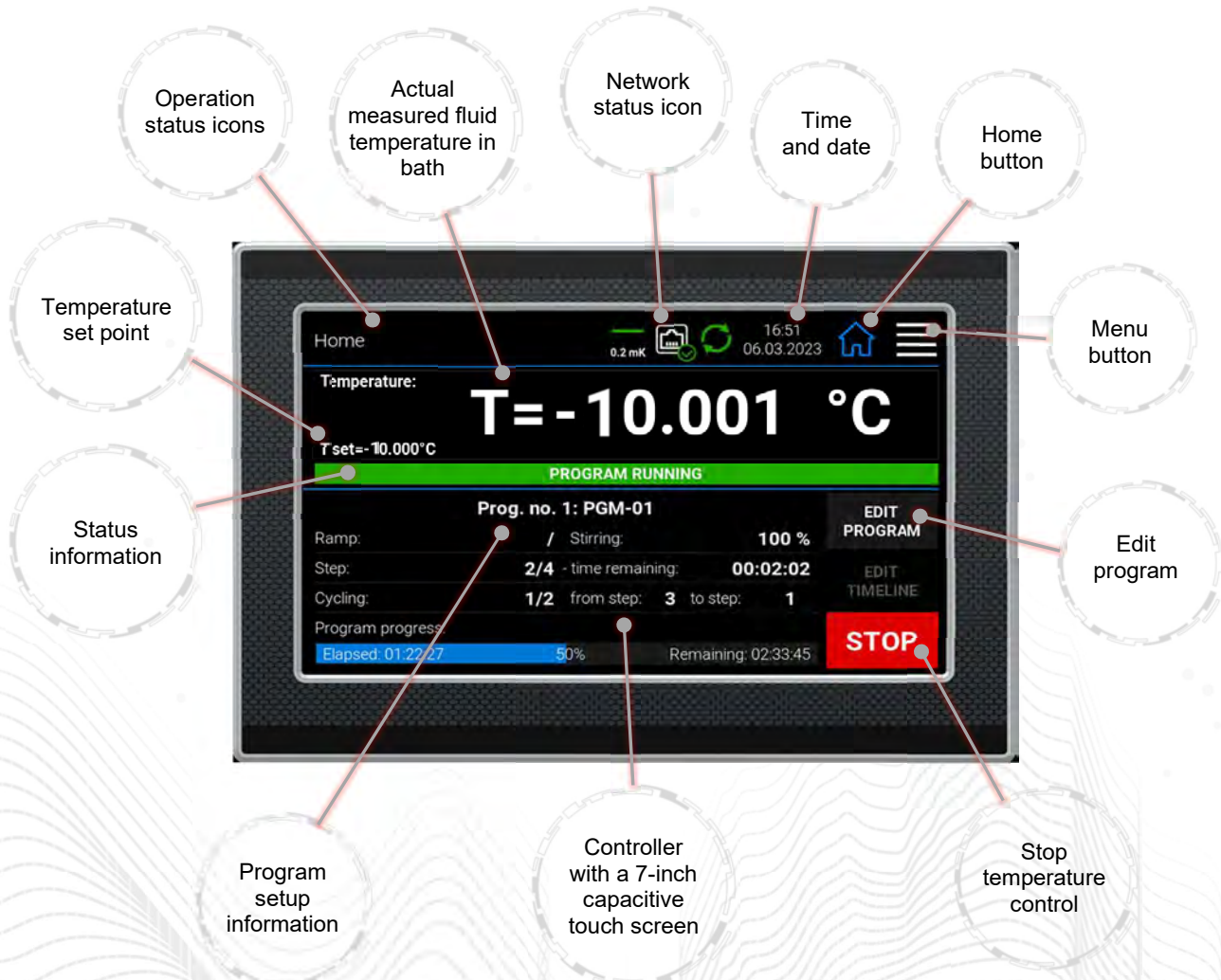
Vertical
fixture and
clip on
holder



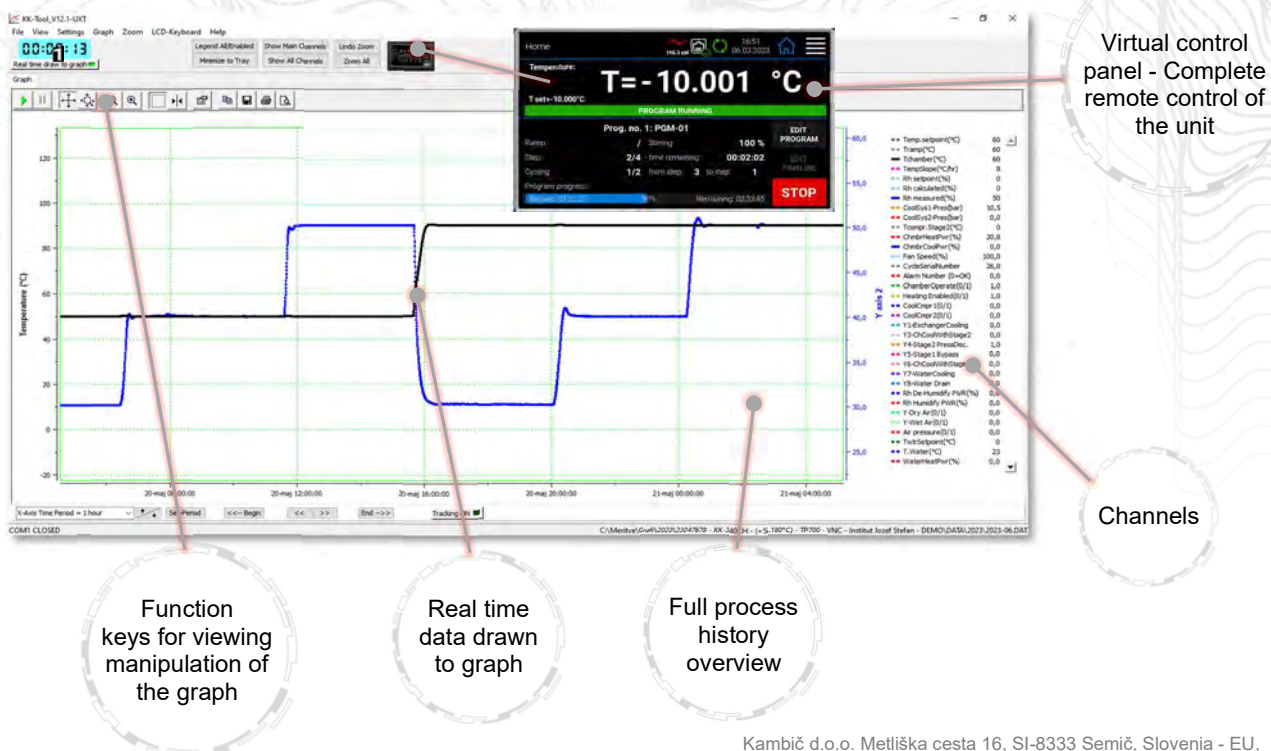
Transportation
case



Touch display with advanced controller functions:



OB-Tool software for PC (free – included with every unit):



Technical data:

	OBM	OBM-LT
		
External dimensions (WxHxD) in mm	225 x 685 x 330	225 x 685 x 330
Internal dimensions (WxHxD) in mm	80 x 290 x 80	80 x 290 x 80
Volume (L)	~ 4	~ 4
Temperature range (°C)	+ 35 ...+ 220	- 35 ...+ 130
Temperature display resolution (°C)	0.001	0.001
Temperature set resolution (°C)	0.01	0.01
Temperature stability [°C]	± 0.002 @ + 50 °C ± 0.003 @ +100 °C ± 0.008 @ +200 °C	± 0.007 @ - 35 °C ± 0.002 @ + 50 °C ± 0.003 @ +100 °C
Temperature uniformity [°C]	± 0.01 @ + 100 °C	± 0.01 @ + 0 °C
Heating rate	~ 20 min (+ 20 °C ...+ 100 °C)	~ 20 min (+ 20 °C ...+ 100 °C)
Cooling rate	N/A	~ 60 min (+ 20 °C ...- 35 °C)
Temperature Control	PID	PID
Noise level [dBA]	< 58	< 58
Cooling	N/A Natural	Compressor Cooling System
Power supply	230 V 50/60 HZ (± 10 %)	230 V 50/60 HZ (± 10 %)
Wattage [W]	300	650
Interface	Ethernet, USB	Ethernet, USB
Weight [kg]	~ 19	~ 23

**All performance data with fluid KDC 200.50*

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

**Accessories might affect performance!*

Ordering information and accessories:

Description	Part no.
Micro calibration bath OBM	1617
Micro calibration bath OBM-LT	1618
Evaluation report – performed by Kambič	1719
Evaluation report (Accredited ISO/IEC 17025:2017)	2997
Vertical fixture and clip on holder	1638
Adjustable multiple probe fixture	1733
Silicone oil fluid KDC 200.05 (- 40 °C ...+ 130 °C)	645
Silicone oil fluid KDC 200.20 (+ 10 °C ...+ 230 °C)	600
Silicone oil fluid KDC 200.50 (+ 30 °C ...+ 278 °C)	631
Transportation case	1666

