

MICRO CALIBRATION BATH

OBM (+ 35 °C... + 220 °C)

OBM-LT (- 40 °C... + 130 °C)

Smallest portable calibration baths - metrology performance:

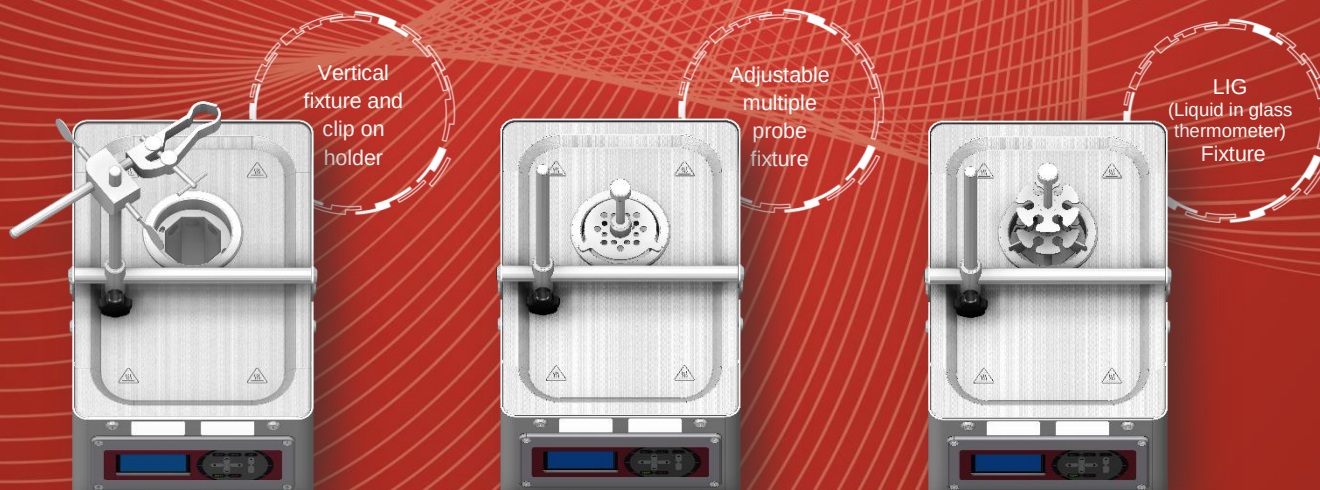
- Conventional compressor based refrigeration system
- Uniformity and stability in mK range
- Calibrate sensors of any dimension
- Fluid ensures perfect heat transfer
 - Unique vertical flow design
 - Take it anywhere



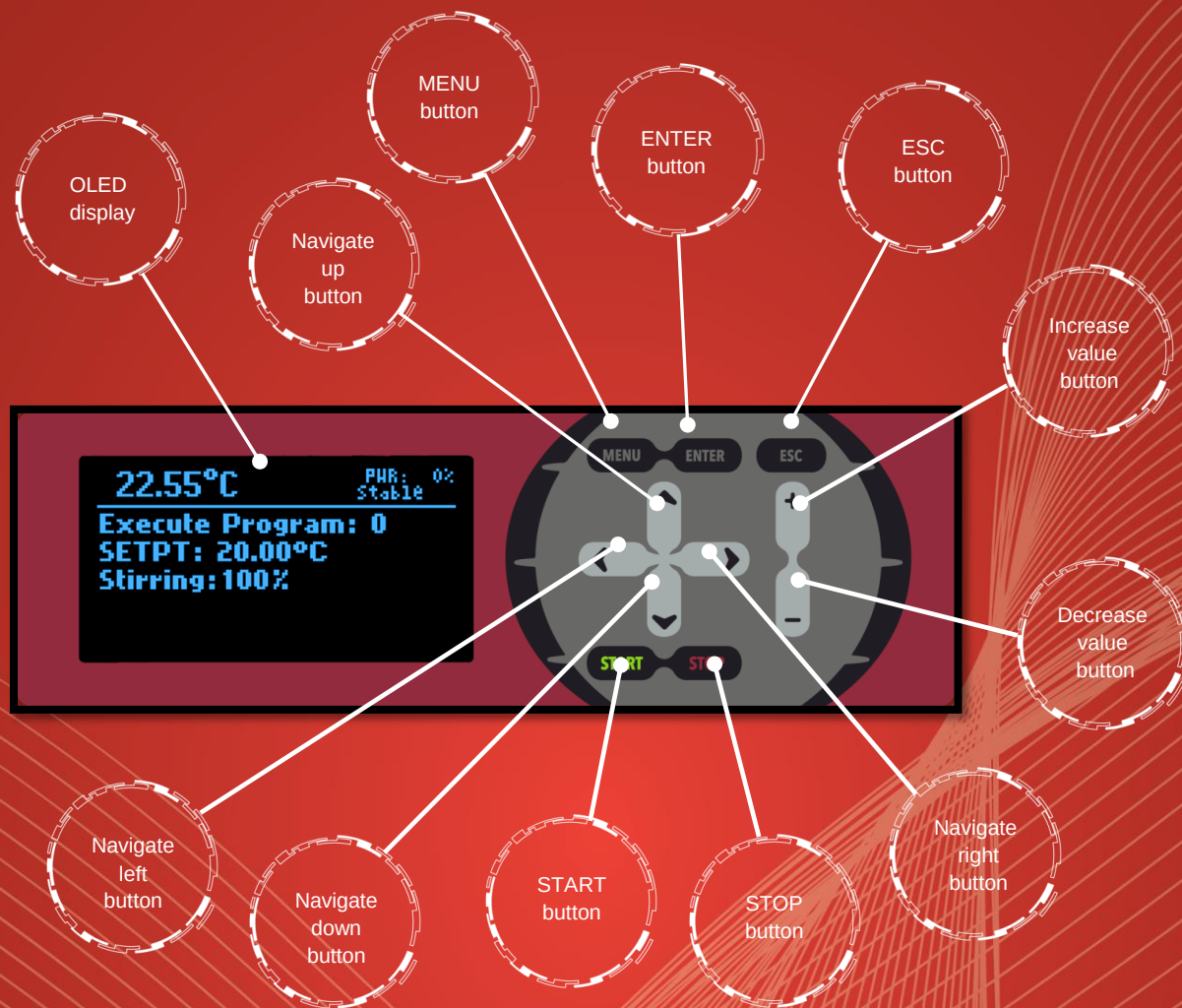




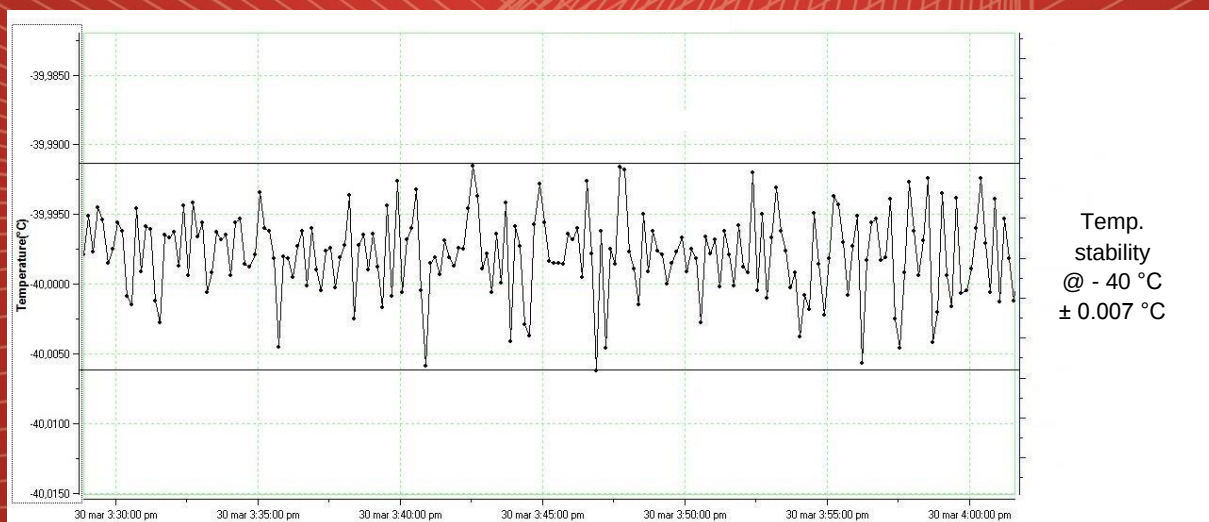
Most used accessories:



Controller functions:



Bath's temperature stability graph at - 40 °C:



Technical data:

	OBM	OBM-LT
		
External dimensions (WxHxD) in mm	225 x 638 x 330	225 x 638 x 330
Internal dimensions (cross x immersion depth) in mm	Ø 50 x 210	Ø 50 x 210
Volume (L)	~ 1	~ 1
Temperature range (°C)	+ 35 ... + 220	- 40 ... + 130
Temperature display resolution (°C)	0.001	0.001
Temperature set resolution (°C)	0.01	0.01
Temperature stability (°C)	0.005 @ + 50 °C 0.008 @ + 100 °C	0.007 @ - 40 °C 0.005 @ + 50 °C 0.008 @ +100 °C
Temperature uniformity (°C)	± 0.02 @ + 50 °C	± 0.02 @ + 50 °C
Heating rate	~ 4 °C/min	(- 40 ... + 130) ~ 36 min
Cooling rate	NA	(+130 °C ... + 22 °C) ~ 21 min
Cooling rate	(Natural cooling)	(+ 22 °C ... - 40 °C) ~ 35 min
Temperature Control	PID	PID
Power supply	230V 50/60Hz (± 10 %)	230V 50/60Hz (± 10 %)
Wattage (W)	300	650
Interface	RS 232 & USB	RS 232 & USB
Weight (kg)	~ 29	~ 35

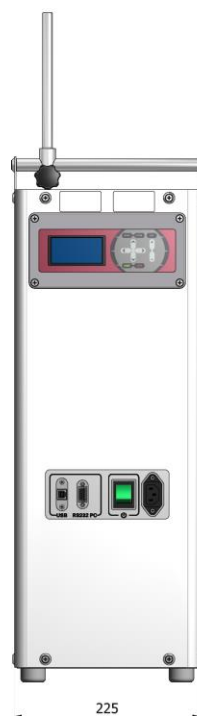
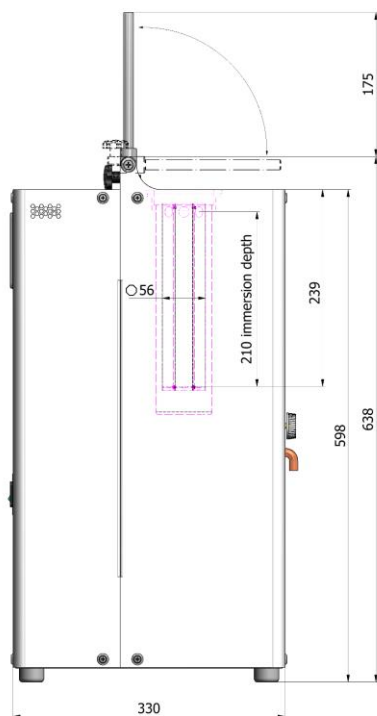
*All performance data with fluid KDC 200.05

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

*Accessories might affect performance!

Ordering information and accessories:

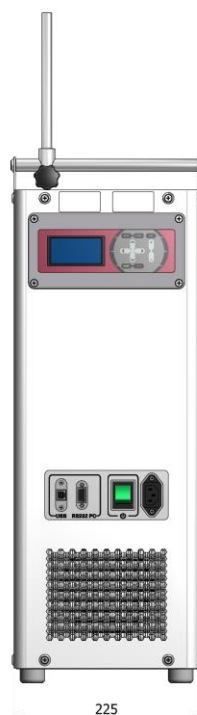
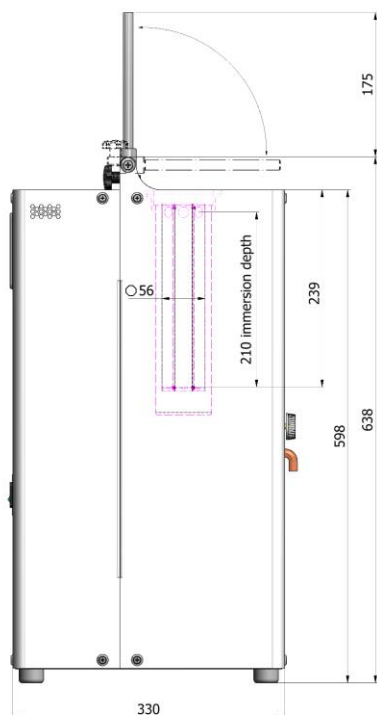
Description	Part no.
Micro calibration bath OBM	1617
Micro calibration bath OBM-LT	1618
Evaluation report – performed by Kambic	1719
Evaluation report (Accredited ISO/IEC 17025:2017)	1777
OBM-Tool (Monitoring and data collection software)	104
Vertical fixture and clip on holder	1638
Adjustable multiple probe fixture	1733
LIG (liquid in glass thermometer) fixture	1735
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



SHIPPING	
W	410 mm
H	880 mm
D	610 mm
WEIGHT	28 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	MICRO CALIBRATION BATH	OBM



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DIMENSIONAL DRAWING	PRODUCT	MODEL
	MICRO CALIBRATION BATH	OBM-LT