CALIBRATION BATH

(- 90 °C ...+ 130 °C)

OB-22/2 ULT

OB-50/2 ULT

Ultra low temperature calibration baths- metrology performance:

- Uniformity and stability in mK range
- Calibrate sensors of any dimension
- Fluid ensures perfect heat transfer
- Unique vertical flow design
- 500 mm immersion depth
- State of the art solution
- Two bath sizes

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Kambič

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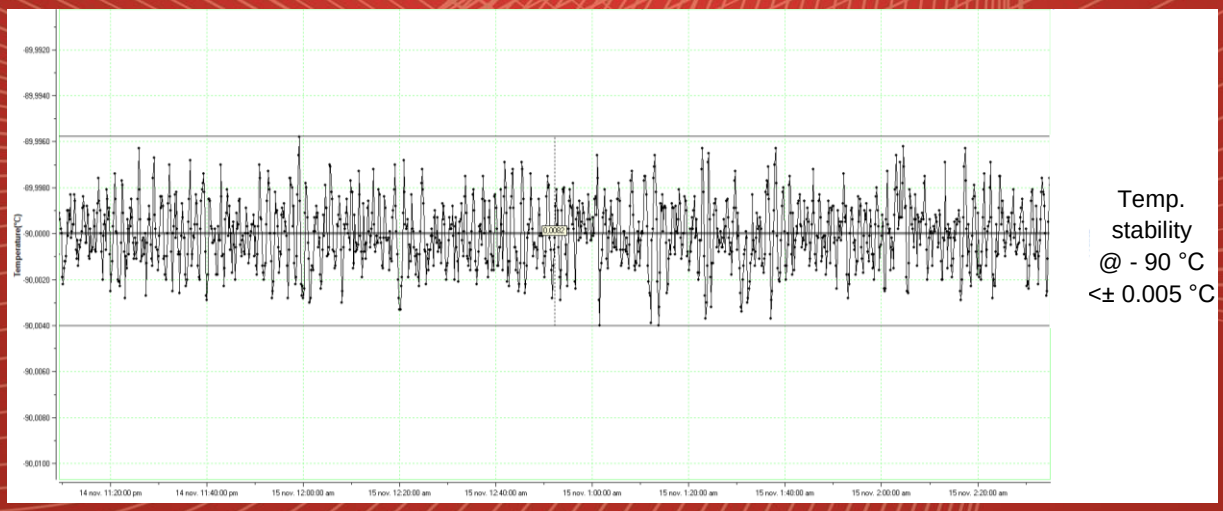
Controller functions:

Bath's temperature stability graph at - 90 °C:



Temp. stability @ - 90 °C <± 0.005 °C

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Technical data:

	OB-22/2 ULT	OB-50/2 ULT
External dimensions (WxHxD) in mm	600 x 1260 x 550	900 x 1240 x 690
Internal dimensions (cross x immersion depth) in mm	Ø 147 x 500	Ø 320 x 500
Volume (L)	~ 22	~ 50
Temperature range (°C)	- 90 …+ 130	- 90 …+ 130
Temperature display resolution (°C)	0.001	0.001
Temperature set resolution (°C)	0.001	0.001
Temperature stability (°C)	± 0.005 @ - 90 °C ± 0.005 @ + 20 °C ± 0.002 @ + 50 °C	± 0.003 @ - 90 °C ± 0.005 @ + 20 °C ± 0.002 @ + 50 °C
Temperature uniformity (°C)	± 0.007 @ - 90 °C	± 0.007 @ - 90 °C
Heating rate	~ 65 min (- 90 °C …+ 20 °C)	~ 190 min (- 90 °C …+ 20 °C)
Cooling rate	~ 240 min (+ 20 °C …- 90°C)	~ 820 min (+ 20 °C …- 90 °C)
Temperature Control	PID	PID
Noise level (dBA)	< 58	< 58
Cooling	Cascade Compressor Cooling System	Cascade Compressor Cooling System
Power supply	230 V 50/60 HZ (± 10 %)	230 V 50/60 HZ (± 10 %)
Wattage (W)	3600	3600
Interface	RS 232 (USB or Ethernet as option)	RS 232 (USB or Ethernet as option)
Weight (kg)	~ 135	~ 175

*All performance data with fluid KDC ULT
*All performance in controlled environment (Tambient = 22 °C ± 3 °C)!
*Accessories might affect performance!

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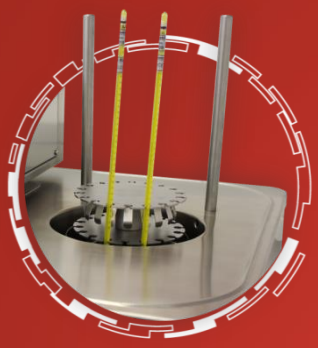
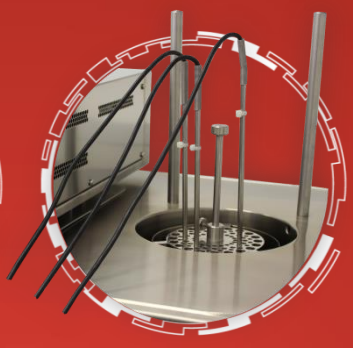
Accessories:

- LIG thermometer holder



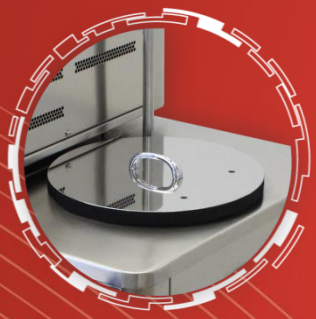
- Vertical fixture

- Adjustable multiple probe fixture



- External fluid level for LIG

- Additional lid



- Foldable shelve

- Fume hood

- Evaluation report

Ordering information and accessories:

Description	Part no.
Calibration bath OB-22/2 ULT	1626
Calibration bath OB-50/2 ULT	1633
USB interface	1466
Ethernet interface	1716
Evaluation report – performed by Kambic	1719
Evaluation report (accredited ISO/IEC 17025:2017)	1777
OB-Tool (Monitoring and data collection software)	104
External fluid level for LIG	1655
Vertical fixture	1657
Adjustable multiple probe fixture	1733
LIG (liquid in glass thermometer) fixture	1735
Local fume hood with fan	1656
Foldable shelve	1658
Extra lid for OB-22/2 ULT	1636
Extra lid for OB-50/2 ULT	2115
Silicone oil fluid KDC ULT (- 100 °C …+ 30 °C)	700

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SHIPPING	
W	735 mm
H	1460 mm
D	685 mm
WEIGHT	175 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	CALIBRATION BATH	OB-22/2 ULT
		/
		/

SHIPPING	
W	975 mm
H	1460 mm
D	825 mm
WEIGHT	205 kg

* we reserve the right to modifications

DIMENSIONAL DRAWING	PRODUCT	MODEL
	CALIBRATION BATH	OB-50/2 ULT
		/
		/

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