



TRIPLE POINT OF WATER MAINTENANCE BATHS

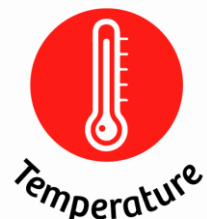
(- 5 °C ...+ 130 °C)

Model:
OB-22/2 TPW
OB-50/2 TPW

Ultra stable Triple Point of Water maintenance bath with metrology performance:

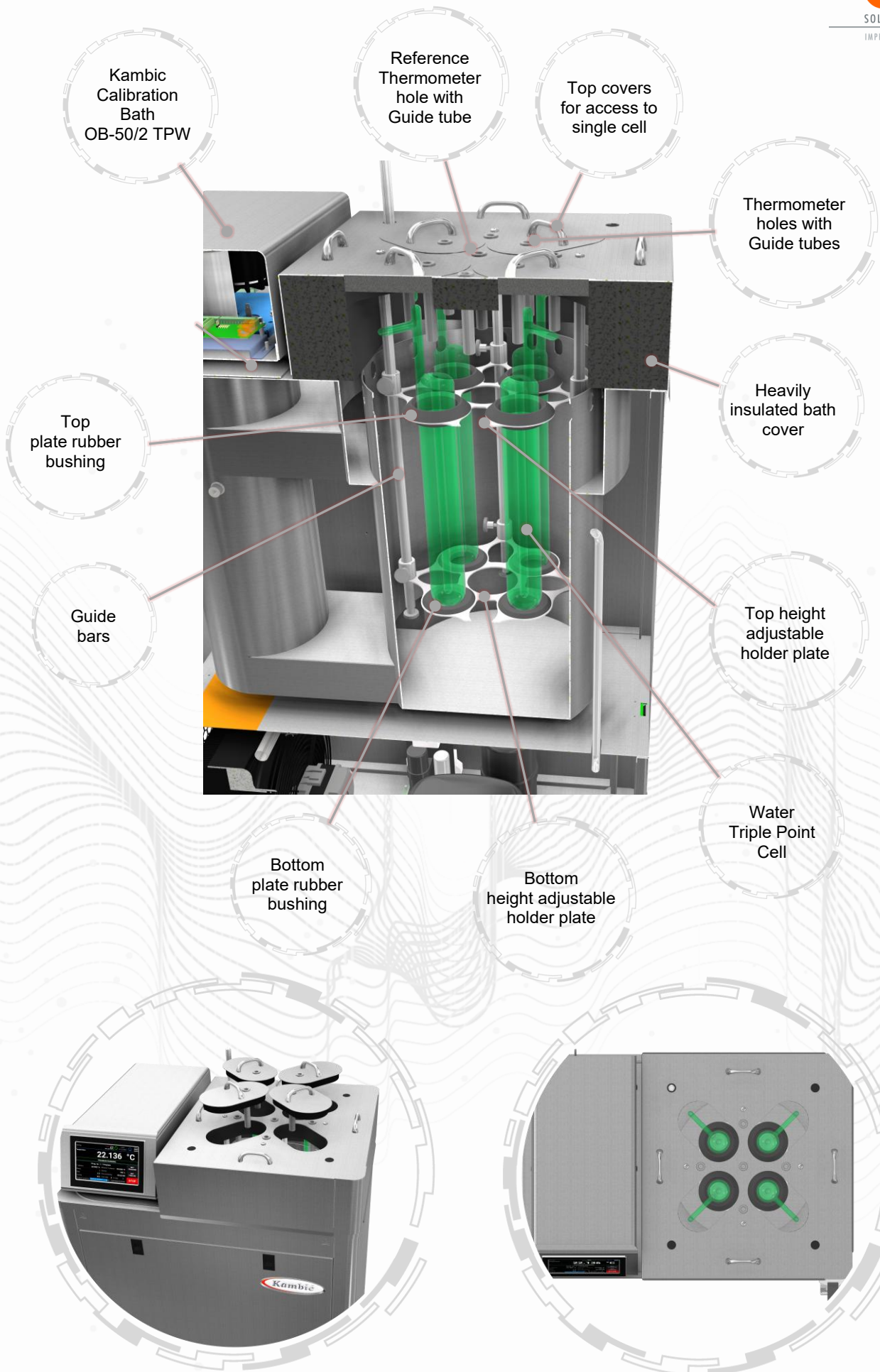


- Uniformity and stability in mK range
- Fluid ensures perfect heat transfer
 - Independent frost protection
 - Unique vertical flow design
 - 500mm immersion depth
 - State of the art solution
 - Cycling function
 - Two bath sizes

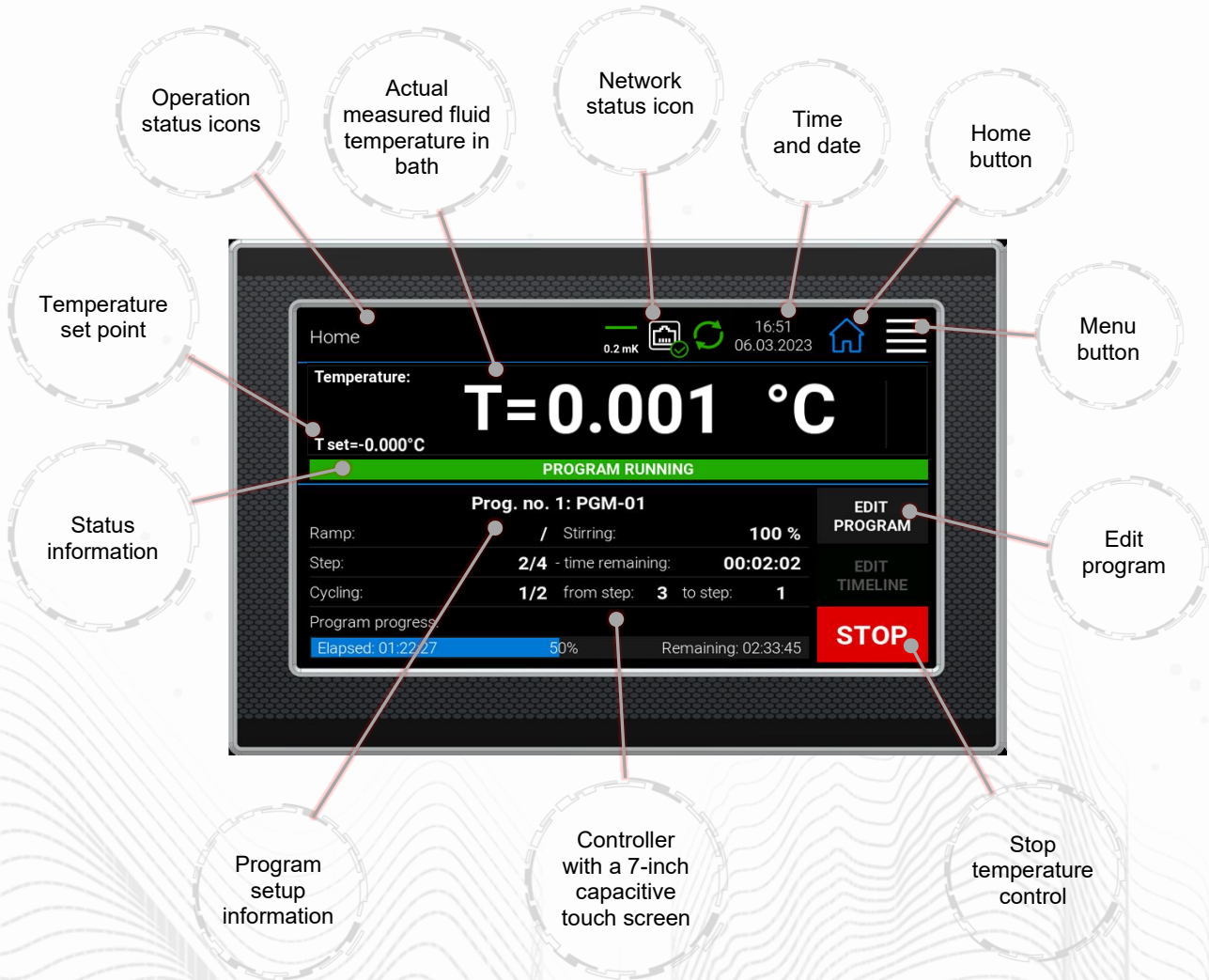


Device description:





Touch display with advanced controller functions:



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



Function keys for viewing manipulation of the graph

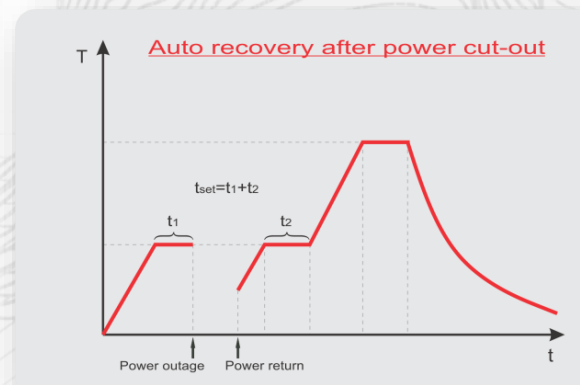
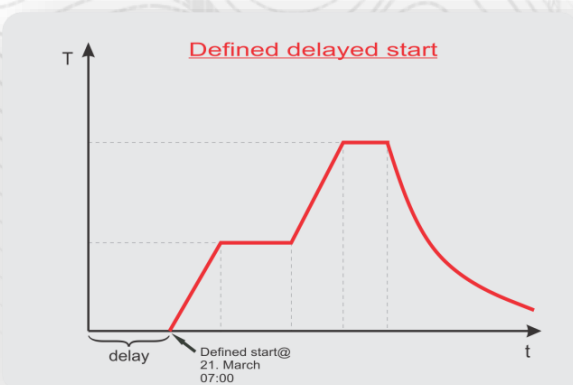
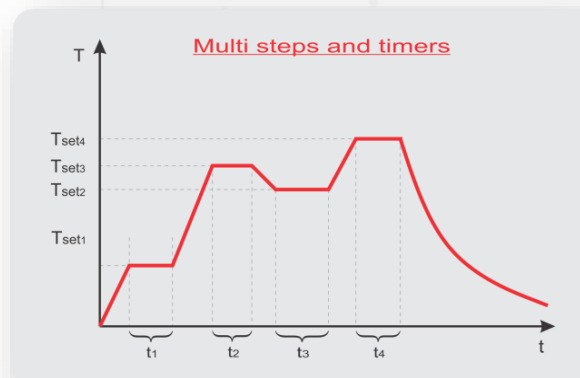
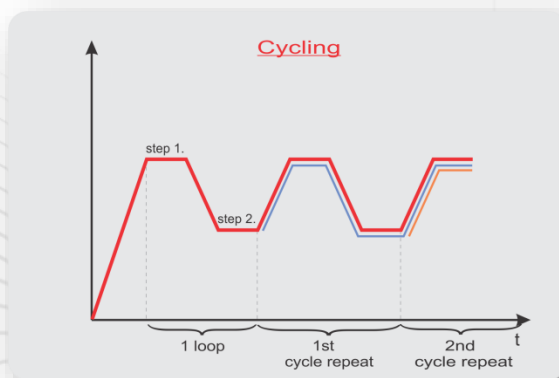
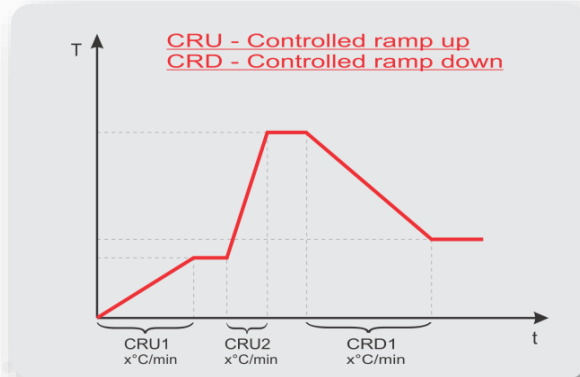
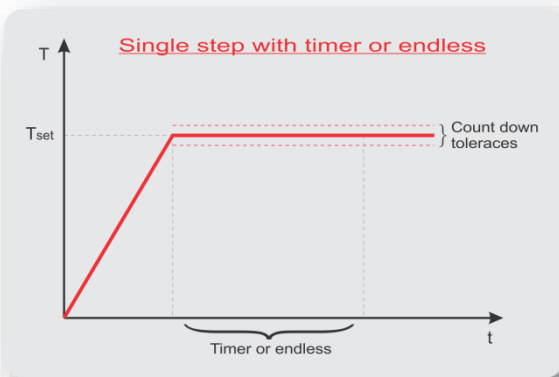
Real time data drawn to graph

Full process history overview



Virtual control panel - Complete remote control of the unit

Channels

Controller functions:



Technical data:

| | OB-22/2 TPW | OB-50/2 TPW |
|---|---|---|
| |  |  |
| External dimensions (WxHxD) [mm] | 600 x 1193 x 550 | 735 x 1217 x 495 |
| Internal dimensions (diameter x immersion depth) [mm] | Ø 147 x 500 | Ø 320 x 500 |
| Volume [L] | ~ 22 | ~ 50 |
| Fluid quantity for operation [L] | 25 | 65 |
| Temperature range [°C] | - 5 ...+ 130 | - 5 ...+ 130 |
| Temperature display resolution [°C] | 0.001 | 0.001 |
| Temperature set resolution [°C] | 0.001 | 0.001 |
| Temperature stability [°C] | ± 0.002 @ 0 °C ± 0.005 @ 20 °C ± 0.002 @ 100 °C | ± 0.002 @ 0 °C ± 0.005 @ 20 °C ± 0.002 @ 100 °C |
| Temperature uniformity [°C] | < ± 0.007 @ 0 °C | < ± 0.007 @ 0 °C |
| Heating rate | ~ 50 min (+ 20 °C ...+ 100 °C) | ~ 75 min (+ 20 °C ...+ 100 °C) |
| Cooling rate | ~ 1 hour (+ 20 °C ...- 5 °C) | ~ 2,5 hours (+ 20 °C ...- 5 °C) |
| Temperature Control | PID | PID |
| Noise level [dBA] | < 58 | < 58 |
| Cooling | Compressor Cooling System | Compressor Cooling System |
| Power supply | 230 V 50/60 HZ (± 10 %) | 230 V 50/60 HZ (± 10 %) |
| Wattage [W] | 3600 | 3600 |
| Interface | Ethernet, USB | Ethernet, USB |
| Weight [kg] | ~ 105 | ~ 135 |

**All performance data with fluid KDC 200.05*

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

**Accessories might affect performance!*

Accessories:

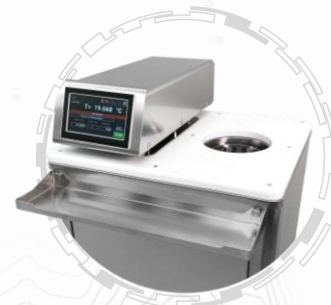
- Lid & fixture for Maintenance Bath is not included with the base OB-TPW unit (has to be ordered separately).
- Fixture is customized to fit users TPW cells.



- Evaluation report



- Removable shelf



Ordering information and accessories:

| Description | Part no. |
|--|----------|
| Maintenance Bath TPW (1 cell) OB-22/2 TPW | 1645 |
| Maintenance Bath TPW (4 cells) OB-50/2 TPW | 1646 |
| Lid & fixture for Maintenance Bath TPW (1 cell) OB-22/2 TPW | 1672 |
| Lid & fixture for Maintenance Bath TPW (4 cells) OB-50/2 TPW | 1673 |
| Evaluation report – performed by Kambic | 1719 |
| Evaluation report (accredited ISO/IEC 17025:2017) | 1777 |
| Silicone oil fluid KDC 200.05 (- 40 °C ...+130 °C) | 645 |
| Removable shelf | 1658 |

**Accessories might affect performance!*

