



Haven Automation Limited

Calibration Solutions for Industry

# OTB-8 Series

DIGITAL OIL/WATER BATHS

## Features

- Temperature stability as good as  $\pm 0.005^{\circ}\text{C}$
- Ranges covering  $-35^{\circ}\text{C}^*$  to  $250^{\circ}\text{C}$
- 7 Litre or optional 12 litre capacity bath
- Optional UKAS Calibration Certificate available (recognised to ISO/IEC 17025:2005)



Haven OTB-8 Oil/Water Baths are a compact and reliable solution for the calibration of thermal sensors. Available in 2 models depending on temperature range and application required.

All baths are supplied complete with bath cover, drain tap, carry handles and hole to hold a certified sensor. The bath is fully insulated on the sides and the base and has a cooling coil fitted for connection to a cold water supply for use around ambient.

**TempWorks** software has been designed for use with OTB-8 Oil/Water Baths and the TU-20D controller on the refrigerated baths. It is a Windows<sup>®</sup> based programme that connects via an RS-232 connection to your computer. Programmes can be created, saved and recalled at any time as well as running in real time mode. Time, temperature and ramp rates can all be set up. Temperature can be set to two decimal places. Temperatures within the range of  $-35^{\circ}\text{C}$  to  $250^{\circ}\text{C}$  can be programmed.

Specification	OTB-8S	OTB-8HT
Temperature range °C	Ambient +10 to 200	Ambient +10 to 250
Temperature selection	Digital	Digital
Temperature stability °C (using water @ 40°C)	±0.005%	±0.005%
Pump capacity litres/minute	10	N/A (internal circulation only)
Pump capacity (mbar)	145	N/A
Method of control	PID	PID
Temperature sensor	PRT	PRT
Adjustable over-temperature cut-out	YES	YES (plus audible alarm)
Low liquid level cut-out	YES	YES
PC interface	YES RS-232	YES RS-232
TempWorks software	Supplied as standard	Supplied as standard
Bath opening (mm)	140 x 140	140 x 140
Below ambient temperatures	Use Flow Cooler* -20°C Model FC-200 -35°C Model FC-500	Use Dip Cooler* -20°C Model RU-200 -35°C Model RU-500

Dimensions (mm)	7 Litre Bath	12 Litre Bath
External (L x W x H)	351 x 260 x 233	351 x 260 x 358
Working depth	175	300

\* A Flow Cooler is required to operate the OTB-8S model at below ambient temperatures. A Dip Cooler is required to operate the OTB-8HT model at below ambient temperatures. A specially designed bath must be ordered if the OTB-8HT is intended for use with a Dip Cooler. Please contact our Sales Office for further details and specification.



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Due to our policy of continual product development we reserve the right to amend this specification without notice.

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