



■ Use with Water and Gallium Fixed Points

- Can also be used as a Dry Block, Liquid Bath
- -25°C to 140°C

The multi-functions of the Oceanus-6 is a unique concept from Isotech, so unique that it is currently the subject of a patent application.

The Oceanus-6 is a complete calibration laboratory working over the temperature range 45° C below ambient temperature to $+140^{\circ}$ C. It permits the calibration of temperature sensors absolutely (at fixed points of the ITS-90 scale) or by comparison to a reference standard.

It will calibrate both contact and non-contact thermometers such as optical pyrometers, surface sensors, liquid in glass thermometers as well as thermistors, thermocouples and resistance thermometers, whether they are short, long or odd shaped. Further it permits maintenance of reference standards by confirming the Ice or Water triple point at regular intervals.

The Oceanus-6 has a calibration volume of 52mm diameter and 300mm deep and is supplied with the very latest technology digital indicator, timer and controller making the Oceanus-6 a complete self-contained calibration laboratory.

The Oceanus-6 offers unprecedented accuracies of $\pm 0.0002^{\circ}$ C (2 Sigma) at the Water triple point and the Gallium melt temperature of 29.7646°C and up to $\pm 0.005^{\circ}$ C in the stirred liquid bath option (by comparison).

POTTS Oceanus-6

Automated Calibration using Fixed Point Cells. Temperature range 45°C below ambient to +110°C. Calibrate absolutely at the fixed points of ITS-90 or by comparison



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	Model	580	Uniformity	±0.018°C
	Temperature Range	45°C below ambient to +140°C	Controller Resolution	0.1 to 0.01 (4 digit display)
	Absolute minimum	-45°C	Indicator Resolution	0.1 to 0.01 (4 digit display)
	temperature		Indicator Units	°C, °F, K
	Absolute stabilities over Metal Block Bath Stirred Liquid Bath	r 30 minutes: ±0.03°C +0.025°C	Communications	Supplied as standard with serial interface, PC adaptor cable and Cal Notepad.
	Ice/Water Bath Black Body Source	±0.001°C ±0.3°C	Power	300W, 108-130 or 208-240 VAC, 50/60Hz
	Surface Sensor Calibrator	±0.5°C	Dimensions	Height 430mm Width 310mm
	ITS-90 Fixed Point	±0.0002°C		Depth 300mm Weight 17kg
	Heating / Cooling	See Graph		
	Stabilisation Times	10 minutes	How to order 580 Oceanus-6 POTTS	
	Calibration Volume	52mm x 300mm deep		

Please specify voltage required





UKAS 5 Point Comparison Calibration