



-45 to 140°C

- Use with Mercury, Water or Gallium Cells
- Multi Function Calibration Service
- Fast Response

The multi-functions of the Europa-6 is a unique award winning concept from Isotech.

The Europa-6 is a complete calibration laboratory working over the temperature range 65°C below ambient temperature to +140°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, 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 Water Triple Point at regular intervals.

The Europa-6 has a calibration volume of 35mm diameter by 160mm deep and is supplied with the very latest technology digital indicator and controller making the Europa-6 a complete self-contained calibration laboratory.

The Europa-6 offers unprecedented accuracies of 0.001°C (2 Sigma) at the Water Triple Point and the Gallium melt temperature of 29.7646°C and the Mercury Triple Point of -38.8344°C.

# POTTS Europa-6



Model	520
Temperature Range	65°C below ambient to +140°C
Absolute minimum temperature	-45°C
Absolute stabilities	over 30 minutes:
Metal Block Bath	±0.03°C
Stirred Liquid Bath	±0.025°C
Ice/Water Bath	±0.001°C
Black Body Source	±0.3°C
Surface Sensor	
Calibrator	±0.5°C
ITS-90 Fixed Point	±0.001°C
Heating / Cooling	See Graph (opposite)
Stabilisation Times	10 minutes
Calibration volume	35mm diameter x 160mm deep
Uniformity	±0.018°C
Controller Resolution	0.1 to 0.01 (4 digit display)
Indicator Resolution	0.1 to 0.01 (4 digit display)
Indicator Units	°C, °F, K
Communications	Supplied as standard with serial interface, PC adaptor cable and Cal Notepad.
Power	300W, 108-130 or 208-240VAC, 50/60Hz
Dimensions	Height 322mm Width 176mm Depth 262mm Weight 14kg

**How to order**  
520 Europa-6 POTTTS  
Please specify voltage required

