

Points on the Temperature Scale



Calibration of thermometers in ITS-90 Fixed Point Cells is not limited to NMIs or large scale Primary Laboratories.

Using Isotech POTTS (Points On The Temperature Scale) equipment fixed point calibration can be readily achieved with simple to use cost effective solutions.

POTTS are primarily designed for the maintenance of Slim Cells. Slim Cells

are slightly smaller than Isotech Primary or Optimal Cells which results in a large cost saving at only a small cost in performance.

Many of the POTTS models can be automated, with the apparatus automatically bringing the cell on to the plateau before the working day starts, and cycling it over night, giving the user the fixed point all day, every day, without attention.

Flexibility

By removing the cell from the POTTS unit kits are available to allow the apparatus to be used in a variety of applications, making them the most flexible calibration baths available



METAL BLOCK BATH



BLACK BODY SOURCE



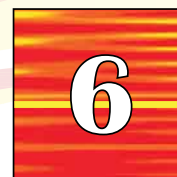
STIRRED LIQUID BATH



SURFACE SENSOR



STIRRED ICE / WATER



ITS-90 FIXED POINT

Unit	Temperature Range	Cells	Internal Timer	Sensor Included
Europa-6	*-45°C to +140°C	Mercury, Water, Gallium	No	935-14-82
Oceanus-6	*-25°C to +110°C	Water, Gallium	Yes	935-14-85
Medusa	+30°C to +700°C	Gallium, Indium, Tin, Lead, Zinc	Yes	935-14-95
Oberon	+450°C to +1100°C	Aluminium, Silver, Copper	No	None

**In an ambient of 20°C*