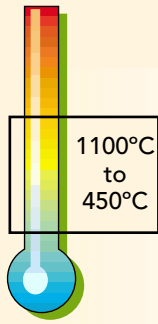


# 426 Oberon

## High Temperature Furnace



1100°C  
to  
450°C

Model 426 is for Aluminium, Silver, Gold or Copper slim fixed point cells as well as for comparison calibration. Heatpipes provide the ideal conditions for the creation and maintenance of slim ITS-90 cells.

The furnace core is a specially-designed stress-free isothermal heat pipe, which provides a very low thermal gradient along the core working length.

The heatpipe is designed so that the inner wall is not subject to thermal expansion stresses from the outer wall before the heat pipe reaches conduction temperature. The working fluid is permanently and safely sealed within the plasma-arc welded enclosure.

Connections are provided for a water supply of 0.5 to 1 litre per minute. Water supply and waste connections are provided. Use without cooling is not recommended above 700°C.

The Oberon can be used with Blackbody Fixed Point Cells. See databook 4.

Model No.	426
Temperature Range	450°C to 1100°C
Stability	±0.05°C
Display resolution	0.1°C
Cavity size	50mm diameter 300mm deep
Time to temperature	4 hours
Communications	Supplied as standard with serial interface, PC adaptor cable and Cal Notepad, see page 46
Power	110 VAC, 1kw, 50/60Hz (230 VAC Transformer available)
Dimensions	Height 410mm Width 415mm Depth 280mm
Weight	30.5kgs

### Options

Metal Block Bath	Standard Insert 6 x 8mm holes x 250mm deep Non-standard Insert - please consult Isotech
ITS-90 Fixed Point	ITL M 17672 Aluminium Quartz Clad Slim Cell
Apparatus	ITL M 17673 Silver Quartz Clad Slim Cell ITL M 17675 Gold Quartz Clad Slim Cell ITL M 17674 Copper Quartz Clad Slim Cell

### Additional accessories

426-04-00	Inconel Basket including insulators
935-19-43	230/110V Transformer

### How to order

426 Oberon High Temperature Furnace  
Please specify voltage required

*Oberon for Aluminium, Silver, Gold or Copper Slim Fixed Point Cells*

