

Blackbody Source Oberon R

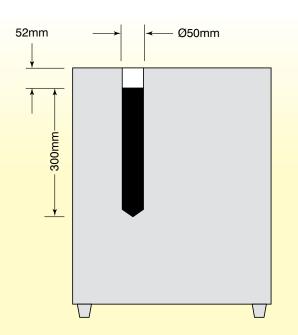
- 450°C to 1100°C
- For High Temperature Blackbody Fixed Points
- Utilises a Sodium Heatpipe

The Oberon R uses a Sodium Heat Pipe to ensure an exceptionally low temperature gradient along the furnace core. It is ideal for the realization of Aluminium, Silver or Copper ITS-90 Fixed Points.

It may be used as a blackbody source over the range 450°C to 1100°C.

The furnace heater is of the non-inductive bird-cage design insulated by twin bore alumina tubes. 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.





Oberon R

Model	426	
Temperature Range	450°C to 1100°C	
Emissivity	greater than 0.995	
Stability	±0.05°C	
Display resolution	0.1°C to 999.9; 1°C from 1000 to 1	090
Cavity size	50mm diameter 300mm deep	
Time to temperature	4 hours	
PC Interface	Included	
Supply	110Vac, 3kW, 50/60Hz CTE (230Vac and 110Vac to 110Vac Isolating Transformers available)	
Dimensions	Height 410mm Width 415mm Depth 280mm	
Weight	30.5kgs	
OptionsAluminium Primary Blackbody Fixed Point Cell998-06-00DSilver Primary Blackbody Fixed Point Cell998-06-00ECopper Primary Blackbody Fixed Point Cell998-06-00GGas Flow System984-00-00230v/110v Transformer935-19-43110v/110v Transformer935-19-48		

How to order

Model 426 Oberon R Please state voltage required Please state any special calibration requirement