

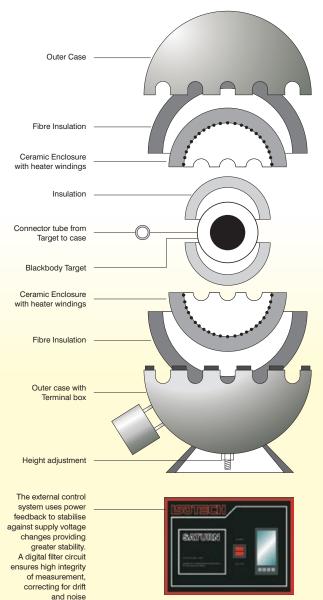
Blackbody Source Cyclops

- Spherical Blackbody Source
- Wide Temperature Range 100°C to 1300°C
- Can be adapted for Thermocouple Calibration

The Cyclops Model 878 is a spherical blackbody source. It consists of an inner black sphere that sits inside a spherical furnace and is suitable for use as a radiation source for infrared thermometers.

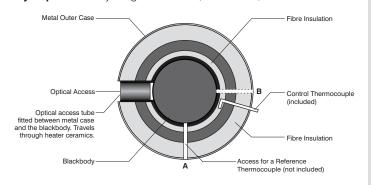
The inner sphere has a nominal diameter 230mm and is accessed by an optical sighting tube. The furnace can be supplied in one of two constructions, one providing an aperture size of 17mm and one of 45 mm.

The furnace can be adapted for thermocouple operation by replacing the inner sphere with an equalizing block and using a different control sensor.





Cyclops Assembly Diagram Plan View (shown in section)



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Temperature Range

Emissivity

Display resolution

Time to temperature

PC Interface

Power

Voltage

Dimensions

Weight

100°C to 1300°C

Greater than 0.999

±0.1°C

0.1°C to 999.9;

1°C from 1000 to 1300

90mins hour to 700°C

4 hours to 1300°C

included

3kW typical

100-130 or 208-240 Vac

50/60Hz

425mm Diameter

25 kg

Ceramic Equalising Block to accept up to 8 thermocouples 878-02-08.

How to Order

Model 878 Cyclops. Please state supply voltage required Please state target diameter either 17mm standard or 45mm to special order.

Reference Thermocouple Access Point is at position A as Standard, specify if required at point B.

State Target Diameter 17 or 45mm