

PYROTHERM CS 1700

Infrared Calibration Source/Black Body



The **infrared radiation source PYROTHERM CS 1700** is well suited for calibration and examination of infrared radiation thermometers in the temperature range from **300 °C to 1700 °C**.

The temperature adjustment can be done directly at the black body or via serial interface RS485 (optional USB adapter) with PC software. Digital PID controller and thermocouple type B provide excellent accuracy and stability.

Technical Data

Type	PYROTHERM CS 1700
Temperature range	300 °C to 1700 °C
Aperture	25 mm
Emissivity	0.99 ± 0.005
Uncertainty	± 0.25 of reading ± 1 K
Stability	0.5 K per 8 hour period
Temperature resolution	0.1 K
Heat up time	300 °C: 45 min, 1600 °C: 80 min
Temperature sensor	Thermocouple type B
Cavity	Closed end tube
Controller	PID controller
Interface	RS485 (optional USB adapter)
Dimensions	640 mm x 500 mm x 550 mm
Weight	80 kg
Power supply	230 VAC ± 10 %, 50/60 Hz, 2500 VA max.

Technical details are subject to change without notice. August 2009.