

# EP-INFR1200

## Infrared – Temperature Calibrator



Picture exemplary – may vary depending on options

### Standard features

The EP-INFR1200 calibration source is used to calibrate and check radiation thermometers and thermal imaging cameras in the temperature range from 300 °C to 1200 °C. The design as a cavity radiator guarantees a very high emissivity.

The temperature setting can be done directly at the radiator or via the serial interface RS-485 (optional USB adapter) using a PC. A digital PID controller and a precision temperature sensor guarantee outstanding accuracy and stability.

**Technical Data**

Type	EP-INFR1200
Temperature Range	300 °C to 1200 °C
Measuring Zone Diameter	38 mm
Emissivity	0.99 ± 0.005
Uncertainty	2 K + 0.0025 · T [°C]
Reproductivity	0.5 K + 0.001 · T [°C]
Stability	0.3 K
Resolution	0.1 K
Uniformity	0.3 K + 0.001 · T [°C] (for central area Ø 20 mm)
Heating Time	To 300 °C = 30 min, to 1200 °C = 50 min
Temperature Sensor	Type R PT13Rh
Controller	PID
Interfaces	RS485 optional USB Adapter and Software
Dimensions	380 mm x 545 mm x 500mm (WxHxD)
Weight	Approx. 40 kg
Power supply	220-240 V AC
Power consumption	Max. 3 kW