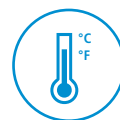


DATA SHEET

BLACK BALL THERMOMETER



Presentation

Developed and manufactured by KIMO, the Black Ball Thermometer is for measuring radiant temperature.

Based on the black body principle, it consists of one sphere equipped with a Pt100 or thermocouple temperature probe.

It's an accurate, reliable and user-friendly instrument. It's also adaptable on every types of thermometers.

Technical features of the black ball

Sphere	Hollow in brass, Ø 70 mm or Ø 150 mm Thickness 6/10 mm
Coating	Multi-coat paint High temperature 600 °C Mat black with 0.95 average emission coefficient
Standards	Complies with the recommendations of the NF ISO 7726 Std relative to then "thermal environment", X35-201 and X35-202 Std relative to the "thermal constraints of the working man"

Ø 70 mm



Application

The human body is comfortable only in an environment where the temperature and the air movements are kept within established limits.

For the comfort and good health of human beings or animals, the black ball thermometer gives a direct measurement of the average radiant temperature.

This temperature, perceived by the body, is radiated by all surrounding surfaces, walls, floor, furniture and equipment.

The black ball thermometer is particularly useful in working area's veterinary laboratories and animal breeding.

Ø 150 mm



Technical features of thermometers

Pt100 probe

Class and range	On request
Number of wires	3 or 4 wires

Thermocouple probe

Type	K, J, N, on request
Measuring range	From -50 to 200 °C

Dimensions

