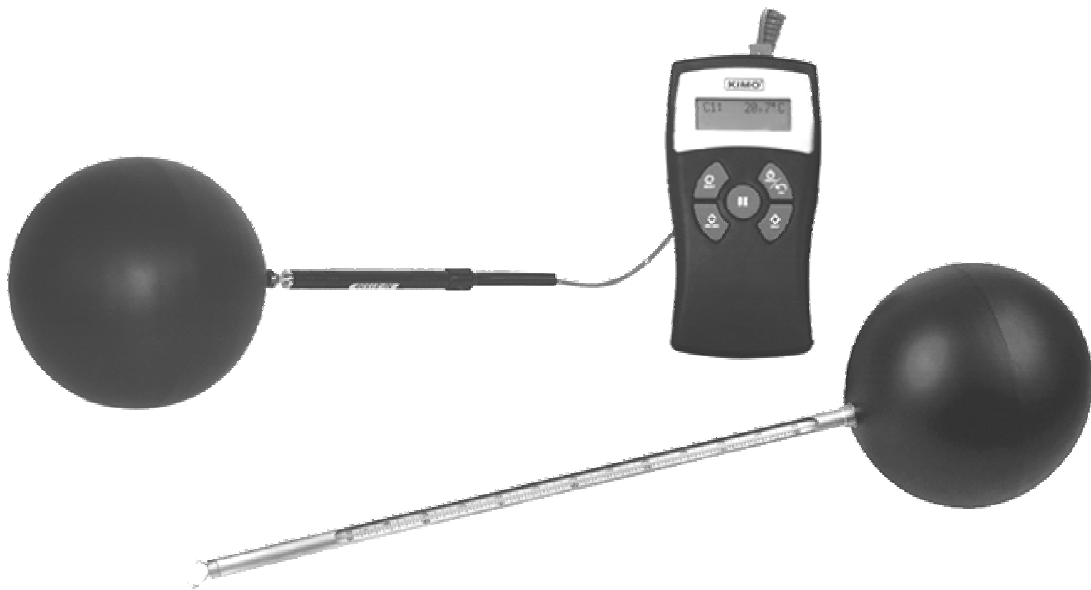


BLACK BALL THERMOMETER



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, which is equipped with a liquid expansion thermometer, Pt 100 or thermocouple temperature probe .

It's an accurate, reliable and user-friendly instrument.

APPLICATIONS

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 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.

FEATURES OF THE BLACK BALL

- Hollow sphere in brass, \varnothing 150 mm, thickness 6/10 mm.
- Stuffing box system for fixation of the Pt100 or the sheath at the centre of the sphere.
- Sphere covered by mat black multi-coat paint. High temperature 600°C with 0,95 average emission coefficient.
- Complies with the recommendations of the NF ISO 7726 Std relative to the "thermal environment", X35-201 and X35-202 Std relative to the "thermal constraints of the working man".

FEATURES OF THE THERMOMETER

● Liquid expansion thermometer :

- Protective brass sheath, length. 400 mm, \varnothing 12 mm, equipped with a suspension ring.
- Range from 0 to 60°C.
- Resolution $\frac{1}{2}$ °C.
- Scale length : 280 mm.
- Total length : 550 mm.
- Weight : 400 g

OR

● Pt 100 probe :

- Class and range on demand.
- 3 or 4 wires.
- Stuffing box \varnothing 6 or \varnothing 4 mm.

OR

● Thermocouple probe :

- Type K, J, N on demand.
- Range : from -50 to +200°C.
- Stuffing box \varnothing 6 or \varnothing 4 mm.

