Linear dilatometer with balloon and digital temperature meter

EQ019

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Thermal expansion. The variation in copper length as a function of its initial length and temperature variation. Copper and its metallic alloys. Length variation graph versus initial length. The slope of the graph. The variation in the length of the steel depending on its initial length and temperature variation. Steel and its alloys. The variation in the length of the brass as a function of its initial length and temperature variation. Brass and its alloys. Determination of the linear expansion coefficient of copper. Determination of the linear expansion coefficient of brass. The determination of the linear expansion coefficient of steel, etc.

Note: Does not include heat source.

Knowledge areas

Physics

Key Experiments

The dilation of brass in relation to the initial length, under the same temperature variation

The determination of the coefficient of linear dilation of brass

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