



linear dilatometer

SCN-F003C

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Thermal expansion. The determination of the coefficient of linear expansion of copper. Copper, brass, steel and their metallic alloys. Measuring the initial length of the specimen. Measuring the initial temperature of the specimen. Measuring the final temperature of the specimen. Determination of the temperature variation suffered by the specimen. Measuring the variation in length of the specimen when undergoing a temperature variation. The relationship of the change in length to the change in temperature and the initial length. Determining the coefficient of linear expansion of copper. The relationship of the final length to the initial length, the coefficient of expansion and the temperature variation. Determining and comparing the coefficients of linear expansion of different materials, etc.

Knowledge areas

Physics

Level

High school

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