



## METADATA

**Title:** Laboratory guide to physics

**Other Titles:** -

**Language:** Greek

**ISBN:** 978-960-603-121-2

**Subject:** NATURAL SCIENCES AND AGRICULTURAL SCIENCES

**Keywords:** Physical Measurements / Uncertainty / Mechanics / Waves / Modern Physics

**Bibliographic Reference:** Saltas, V. (2015). Laboratory guide to physics [Laboratory Guide]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-565>

### Abstract

This laboratory guide to physics is a comprehensive introductory guide that includes selected experiments in general and modern physics, based on the scope of knowledge that university students in the technological field should acquire in their introductory year in order to continue their studies in technological applications. The laboratory guide is adapted to meet the teaching needs of the Physics laboratory course of the Departments of Natural Resources and Environmental Engineering and Electronic Engineering of the School of Applied Sciences of the Technological Educational Institute of Crete. The particularities of a laboratory manual

that is largely based on the specific equipment available in each laboratory limit its target audience. However, a large part of this manual includes all the introductory concepts that a first-year student needs to understand the necessity of measurements and the "tools" we use to carry them out, as well as the procedures we apply in order to draw safe and correct conclusions. In this sense, therefore, and in addition to the experimental data available for some of the experiments described in the guide, it could be used as additional teaching material or aid in any other educational institution for a corresponding laboratory course.

