



METADATA

Title: Atmospheric technology

Other Titles: -

Language: Greek

ISBN: 978-960-603-279-0

Subject: NATURAL SCIENCES AND AGRICULTURAL SCIENCES

Keywords: Atmospheric Technology / Air Quality Monitoring / Meteorological Instrumentation

Bibliographic Reference: Melas, D., Bais, A., & Balis, D. (2015). Atmospheric technology [Undergraduate textbook]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-782>

Abstract

Measurements are vital for all atmospheric studies and applications (meteorological, climatological and environmental). The proposed book describes the methods used to measure the most important variables of the atmospheric environment: solar and terrestrial radiation, meteorological parameters (air temperature and humidity, barometric pressure, wind speed and direction) as well as air quality (air pollutant concentrations). The book analyzes the characteristics,

uncertainty and sources of error of sensors and measurement systems of atmospheric parameters. The whole range of measurement techniques is covered (surface-height-column as well as on-site-active remote sensing-passive remote sensing). The book will be important to students of environmental sciences but also to all professionals who use or collect atmospheric data in a wide range of environmental sciences: meteorology, climatology, air pollution.

