METADATA

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Abstract

Measurements are vital for all atmospheric studies and applications (meteorological, climatological and environmental). The 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 is 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.

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