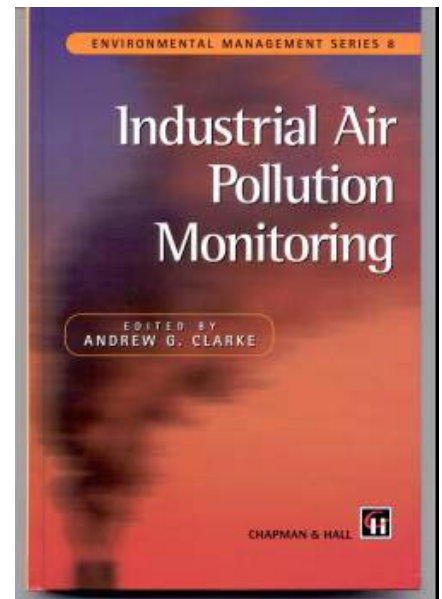


Industrial Air Pollution Monitoring

Andrew G. Clarke (Ed.)

Full Bibliography

Title	Industrial Air Pollution Monitoring
Sub-title	Gaseous and Particulate Emissions
Editor	Clarke, A.G. (Department of Fuel and Energy, University of Leeds)
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Ordering Information

The book can be ordered on-line from

Blackwell's: <http://bookshop.blackwell.co.uk>

Smiths: <http://www.WHSmith.co.uk>

Description

Developed from a short course taught at Leeds University, this book covers methods of monitoring emissions of air pollutants from stationary sources. It surveys the techniques and points out their advantages and disadvantages. While the bulk of the book is concerned with a description of the available techniques, other topics include: legislation in the UK, Europe and the USA, calibration and maintenance of analysers, data handling, the management of emissions monitoring programmes and quality assurance and control.

This book should be of interest to environmental scientists; environmental managers; instrumentation and control engineers; pollution control equipment manufacturers; environmental consultants; source testing organisations and personnel in regulatory organisations.

Table of Contents

Legislation on emissions of air pollutants and their monitoring. Gas composition calculations. Particulate emissions by extractive sampling.. Particulate emissions - optical and other methods of continuous monitoring. Gas sampling and conditioning. Chemical methods of gas analysis. Optical methods of analysis 1 - Infra red. Optical methods of analysis 2 - Visible and UV. Volatile organics. Sampling and analysis of PAH, dioxins and furans. Electrochemical and other non-optical techniques. Calibration of continuous gaseous emission measuring systems. Calibration gases. Data logging, Quality assurance and quality control. Statistics in relation to emissions monitoring.