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**Acoustic Wave Sensors - Theory, Design, and Physico-Chemical Applications** Search Within

By: Ballantine, D. S. Jr.; White, R. M.; Martin, S. J.; Ricco, A. J.; Frye, G. C.; Zellars, E. T.; Wohltjen, H. © 1997 Elsevier

**Description:** Provides an in-depth look at the current state of acoustic wave devices and the scope of their use in chemical, biochemical, and physical measurements, as well as in engineering applications.

Title Details Citation

**Sections**

- Front Matter
- Series Preface
- Table of Contents
- # 1. Why Acoustic Sensors?
- # 2. Fundamentals of Acoustic Waves
- # 3. Acoustic Wave Sensors and Responses
- # 4. Materials Characterization
- # 5. Chemical and Biological Sensors
- # 6. Practical Aspects of Acoustic-Wave Sensors
- Appendix A: Lists of Symbols by Chapter
- Appendix B: Glossary of Terms
- Appendix C: Polymeric Materials
- Appendix D: Commercial Sources for Acoustic-Wave Substrates, Devices, and Systems
- # Index

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