



# Electronic Instrument Design: Architecting for the Life Cycle

By Kim R. Fowler

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**Electronic Instrument Design: Architecting for the Life Cycle** By Kim R. Fowler

*Electronic Instrument Design* provides a coherent and integrated presentation of the design process, connecting engineering principles to real applications from a systems perspective. Bridging theory and practice, this hands-on guide builds a framework for developing electronic instrumentation, from hand-held devices to consoles of equipment. It offers practical design solutions, describes the interactions, trade-offs, and priorities encountered, and uses specific details, situations, and numerous case studies as examples. The methods may be applied to single prototypes as well as to mass-produced devices. The applications are not technology-dependent, and will therefore not be outdated by the next generation of hardware or software. While the focus of the book is on projects often found in small- or medium-sized companies, many of the principles presented apply to larger projects as well. *Electronic Instrument Design* is an ideal text for design courses in electrical and industrial engineering, and also serves as a practical guide for engineers in diverse fields.

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### **Editorial Review**

#### Review

This is a comprehensive introduction to the design of electronic products developed from the author's "real world experience". It is a useful reference book as well as good potential to support undergraduate systems and product design courses as it provides useful guidelines and case studies. Aslib Book Guide

#### From the Back Cover

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#### About the Author

Kim R. Fowler is at Ixthos, Inc..

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