

ANALOG-DIGITAL CONVERSION HANDBOOK

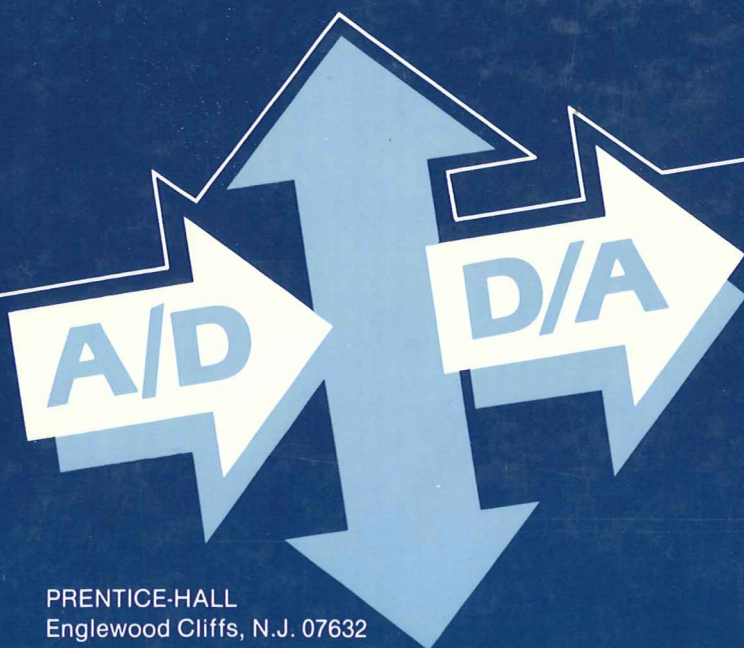
THIRD EDITION

By the Engineering Staff of Analog Devices, Inc.
Edited by Daniel H. Sheingold

Circuits and systems that interface between the digital world and the analog variables of the real world almost always employ some form of analog-to-digital and digital-to-analog conversion. This five-part book, from the world's leading manufacturer of converters, has the principal objective of providing engineers and scientists on both sides of the interface with basic information about converters and systems that use them.

"Converters at Work" provides fundamental information about the roles converters play in typical settings. "A/D and D/A Converters" discusses how they work, converter technologies & architectures, and how they are designed, specified, tested, and used for best results. "Converters for Special Applications" discusses converters for video speeds, synchros & resolvers, high resolution, and wide dynamic ranges, as well as V/F and F/V conversion. "Related Circuits and Devices" include sample/holds, references, switches and multiplexers, and ICs for digital signal processing. Finally, a "Guide for the Troubled," gives practical advice for prevention and cure of problems in conversion systems.

The third edition of a classic in the field, this book has more than 700 profusely illustrated pages, including an Index, a Bibliography, and much new material. Seven of its 22 chapters are totally new.



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