Signal Acquisition and Conditioning
for Industrial Applications Seminar

From
Texas Instruments

Introduction

The Applying Data Converters Seminar from Texas Instruments consists of four separate basic Data Acquisition applications sections. Each application section begins with a discussion of data converter basics relating to the specific application. The section continues with a description of a system specification followed by a detailed example of circuit development. Each application concludes with a review of the design and performance results.

Each application was chosen not as a tutorial on a specific end equipment but as an example of real world application challenges. Each application examines the challenges of a specific system design as well as the selection criteria associated with choosing a data converter and the associated support circuitry.

This seminar was written by the applications staff of Texas Instruments. The authors are Russell Anderson, Stephan Baier, Rick Downs, Burak Ilhan, Ron Mancini, Joe Purvis, and Robert Watson. Additional support in producing this book was provided by Cindy Williams and Cindy Roedig.

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