

1. Record Nr.	UNINA9910830074103321
Autore	Chen Chia-Hung
Titolo	Incremental Data Converters for Sensor Interfaces / / Chia-Hung Chen and Gabor C. Temes
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2024] ©2024
ISBN	1-394-17839-5 1-394-17845-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (163 pages)
Disciplina	621.39814
Soggetti	Analog-to-digital converters Detectors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"This book describes the motivation for using incremental analog-to-digital converters (IADCs), including the theoretical foundations of its operation, the trade-offs in its use, and the practical issues in the circuit analysis and design of IADCs. It covers the following topics: the key algorithms used; circuits for single-stage and multi-stage IADCs; the design of the digital post filters for single- and multi-stage IADCs; IADC applications in measurement and instrumentation, medicine, imagers, and IoT. Numerous practical examples illustrate the application and design of IADCs."--