

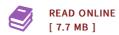


Analysis and Application of Analog Electronic Circuits to Biomedical Instrumentation (Paperback)

By Robert B. Northrop

Taylor Francis Ltd, United Kingdom, 2017. Paperback. Condition: New. 2nd Revised edition.

Language: English . Brand New Book ***** Print on Demand *****. Analysis and Application of
Analog Electronic Circuits to Biomedical Instrumentation, Second Edition helps biomedical
engineers understand the basic analog electronic circuits used for signal conditioning in biomedical
instruments. It explains the function and design of signal conditioning systems using analog ICs-the
circuits that enable ECG, EEG, EMG, ERG, tomographic images, biochemical spectrograms, and
other crucial medical applications. This book demonstrates how op amps are the keystone of
modern analog signal conditioning system design and illustrates how they can be used to build
instrumentation amplifiers, active filters, and many other biomedical instrumentation systems and
subsystems. It introduces the mathematical tools used to describe noise and its propagation
through linear systems, and it looks at how signal-to-noise ratios can be improved by signal
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