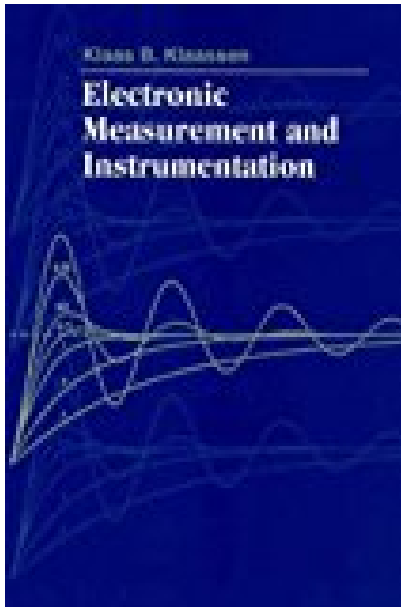


# Electronic Measurement and Instrumentation

---



## BOOK DETAILS

- Author : Klaas B. Klaassen
- Pages : 343 Pages
- Publisher : Cambridge University Press
- Language : English
- ISBN : 0521471575



## BOOK SYNOPSIS

Theory of Measurement Performance Characteristics : Static & Dynamic standards, Error analysis : Sources, Types and Statistical analysis. Transducers Passive transducers : Resistive, Inductive and capacitive Active transducers : Thermoelectrics, piezoelectric and photoelectric. Bridges : Direct current and alternating current bridges, LCR bridges. Analog Meters AC analog meters : Average Peak and RMS responding voltmeters, sampling voltmeters. Electronics Analog meters : Electronics analog DC and AC voltmeter and ammeters, Electronic analog ohmmeter and multimeter. Digital Meters Analog to digital converter : Transfer characteristics, A/D Conversion techniques : Simple potentiometric and servo method, Successive approximation, Ramp type, Integrating and Dual-slope integrating method. D/A Converter : Transfer characteristics, D/A Conversion techniques, Digital mode of operation, Performance characteristics of D/A converters. Display devices : Decimal, BCD and straight binary number, Indicating system, Numeric and alphanumeric display using LCD and LED, Specification of digital meters : Display digit and Counts resolution, Sensitivity, Accuracy, Speed and Settling time etc. Oscilloscopes and RF Measurement Types of oscilloscopes, Controls, Measurements : Voltage, Frequency, Time and Phase. High frequency measurements - RF impedancy. Probes : Types of probes, Probe loading and Measurement effect, Probe specifications. Signal Generators and Analyzers Signal Generators : Sine-wave, Non-sinusoidal and Function generators, Frequency synthesis techniques and digital signal generators. Signal Analyzers : Distortion, Wave and Network spectrum analyzers.

**ELECTRONIC MEASUREMENT AND INSTRUMENTATION** - Are you looking for Ebook Electronic Measurement And Instrumentation? You will be glad to know that right now Electronic Measurement And Instrumentation is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. Electronic Measurement And Instrumentation may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with Electronic Measurement And Instrumentation and many other ebooks.

We have made it easy for you to find a PDF Ebook without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with Electronic Measurement And Instrumentation. To get started finding Electronic Measurement And Instrumentation, you are right to find our website which has a comprehensive collection of manuals listed.