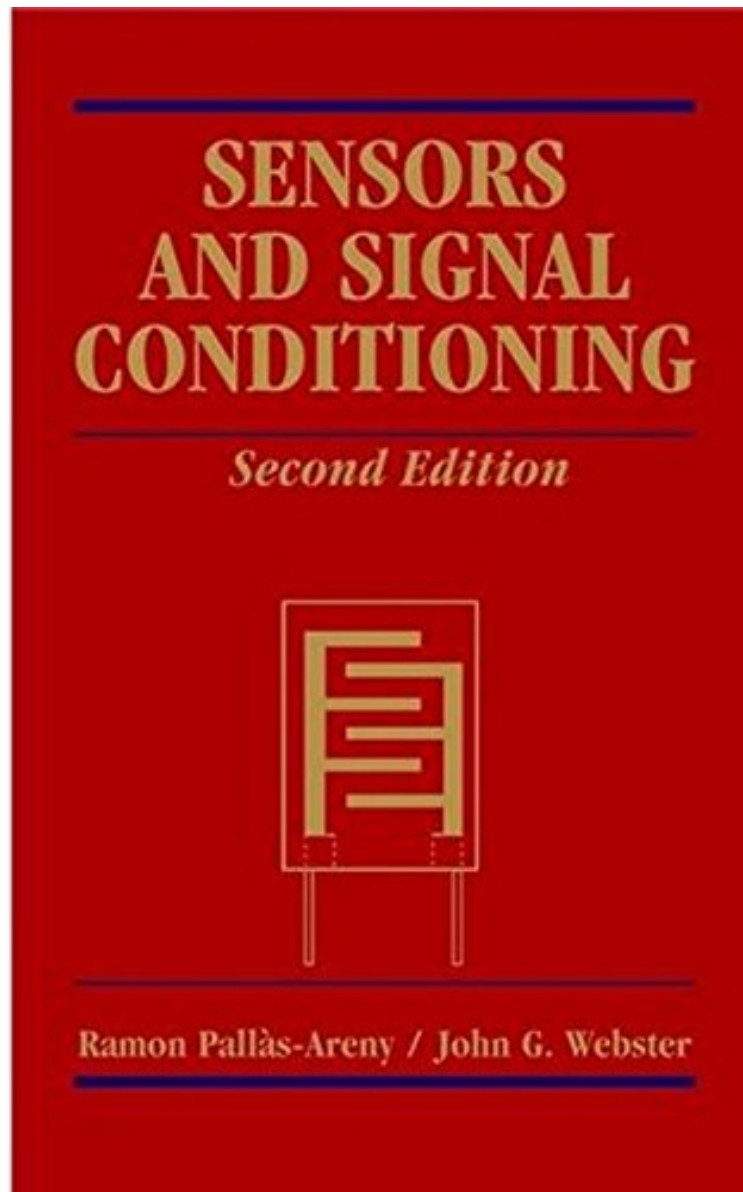


[Free] Sensors and Signal Conditioning, 2nd Edition

## Sensors and Signal Conditioning, 2nd Edition

*Ramn Palls-Areny, John G. Webster*  
*ebooks | Download PDF | \*ePub | DOC | audiobook*



DOWNLOAD



READ ONLINE

#1944444 in Books 2000-11-06Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.21 x 1.47 x 6.46l, 2.14 #File Name: 0471332321608 pages | File size: 39.Mb

**Ramn Palls-Areny, John G. Webster : Sensors and Signal Conditioning, 2nd Edition** before purchasing it in order to gage whether or not it would be worth my time, and all praised Sensors and Signal Conditioning, 2nd Edition:

0 of 0 people found the following review helpful. Three StarsBy zinanSome pages were broken!2 of 2 people found the following review helpful. Reference engineering text about sensorsBy Massimo Bill ZannoniI think this is one of

the better engineering text I've ever seen. It includes almost all type of sensors existing at this time. It is quite simply written and easy to use. Most of all I appreciate examples and problems, that are very useful for understanding and applying theoretical constructs. I can say that this book is a reference for an engineer who has to deal with sensors and their applications. 1 of 6 people found the following review helpful. College book By Neil College book required for the class; have not had to use it yet, 4 weeks into a 16 week semester.

Praise for the First Edition . . . "A unique piece of work, a book for electronics engineering, in general, but well suited and excellently applicable also to biomedical engineering . . . I recommend it with no reservation, congratulating the authors for the job performed." -IEEE Engineering in Medicine Biology "Describes a broad range of sensors in practical use and some circuit designs; copious information about electronic components is supplied, a matter of great value to electronic engineers. A large number of applications are supplied for each type of sensor described . . . This volume is of considerable importance." -Robotica In this new edition of their successful book, renowned authorities Ramon Palls-Areny and John Webster bring you up to speed on the latest advances in sensor technology, addressing both the explosive growth in the use of microsensors and improvements made in classical macrosensors. They continue to offer the only combined treatment for both sensors and the signal-conditioning circuits associated with them, following the discussion of a given sensor and its applications with signal-conditioning methods for this type of sensor. New and expanded coverage includes: \* New sections on sensor materials and microsensor technology \* Basic measurement methods and primary sensors for common physical quantities \* A wide range of new sensors, from magnetoresistive sensors and SQUIDS to biosensors \* The widely used velocity sensors, fiber-optic sensors, and chemical sensors \* Variable CMOS oscillators and other digital and intelligent sensors \* 68 worked-out examples and 103 end-of-chapter problems with annotated solutions

"...It is sufficiently detailed to be useful to just about anyone involved with sensor development and implementation..." (n-lux.net, 4 February 2003) From the Publisher Without sensors many electronic applications would not exist. The importance of sensors contrasts with the limited information available. Besides describing the principle of operation of most common sensors and covering their advantages and disadvantages, it also analyzes their electronic signal conditioning circuits. Every area from the physical quantity to the analog-to-digital converter is thoroughly discussed. Also covers a broad range of sensors and gives actual specifications for several commercial sensors. Includes several worked-out circuit design examples and discusses problems and annotated solutions that will stimulate the search for and development of new solutions, thus overcoming the need to buy expensive subsystems even for the most basic measurement problems. From the Back Cover Praise for the First Edition . . . "A unique piece of work, a book for electronics engineering, in general, but well suited and excellently applicable also to biomedical engineering . . . I recommend it with no reservation, congratulating the authors for the job performed." -IEEE Engineering in Medicine Biology "Describes a broad range of sensors in practical use and some circuit designs; copious information about electronic components is supplied, a matter of great value to electronic engineers. A large number of applications are supplied for each type of sensor described . . . This volume is of considerable importance." -Robotica In this new edition of their successful book, renowned authorities Ramon Palls-Areny and John Webster bring you up to speed on the latest advances in sensor technology, addressing both the explosive growth in the use of microsensors and improvements made in classical macrosensors. They continue to offer the only combined treatment for both sensors and the signal-conditioning circuits associated with them, following the discussion of a given sensor and its applications with signal-conditioning methods for this type of sensor. New and expanded coverage includes: \* New sections on sensor materials and microsensor technology \* Basic measurement methods and primary sensors for common physical quantities \* A wide range of new sensors, from magnetoresistive sensors and SQUIDS to biosensors \* The widely used velocity sensors, fiber-optic sensors, and chemical sensors \* Variable CMOS oscillators and other digital and intelligent sensors \* 68 worked-out examples and 103 end-of-chapter problems with annotated solutions