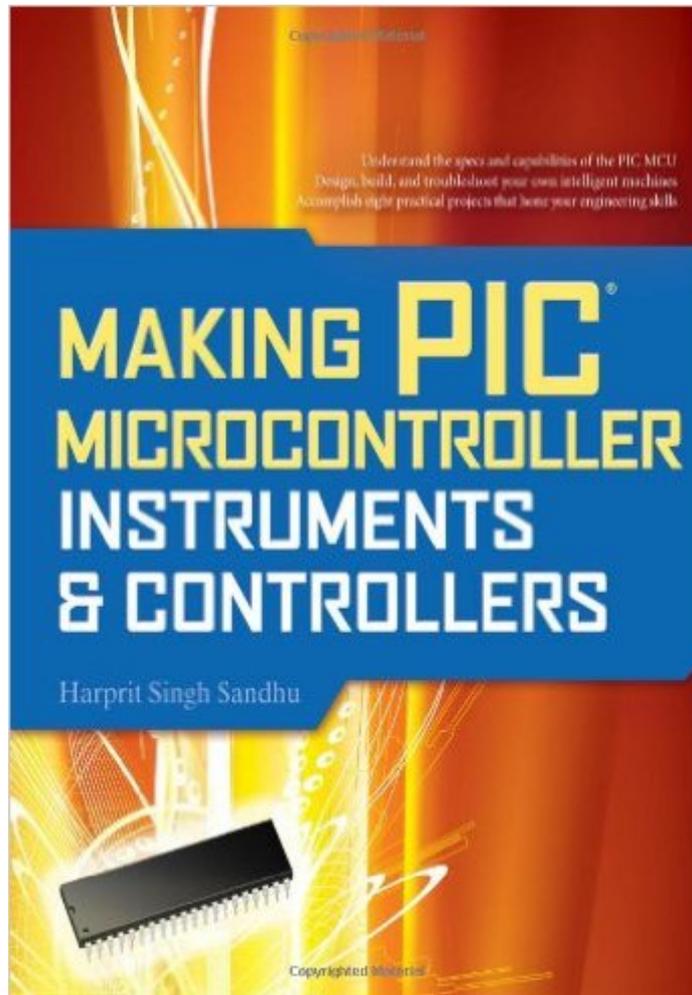


The book was found

# Making PIC Microcontroller Instruments And Controllers



## Synopsis

Essential Design Techniques From the Workbench of a ProHarness the power of the PIC microcontroller unit with practical, common-sense instruction from an engineering expert. Through eight real-world projects, clear illustrations, and detailed schematics, Making PIC Microcontroller Instruments and Controllers shows you, step-by-step, how to design and build versatile PIC-based devices. Configure all necessary hardware and software, read input voltages, work with control pulses, interface with peripherals, and debug your results. You'll also get valuable appendices covering technical terms, abbreviations, and a list of sample programs available online. Build a tachometer that gathers, processes, and displays data. Make accurate metronomes using internal PIC timers. Construct an asynchronous pulse counter that tracks marbles. Read temperature information through an analog-to-digital converter. Use a gravity sensor and servos to control the position of a table. Assemble an eight-point touch screen with an input scanning routine. Engineer an adjustable, programmable single-point controller. Capture, log, monitor, and store data from a solar collector.

## Book Information

Paperback: 384 pages

Publisher: McGraw-Hill Education TAB; 1 edition (January 13, 2009)

Language: English

ISBN-10: 0071606165

ISBN-13: 978-0071606165

Product Dimensions: 7.3 x 0.8 x 9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars. See all reviews (17 customer reviews)

Best Sellers Rank: #1,167,702 in Books (See Top 100 in Books) #29 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > PIC Microcontroller #976 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits #6530 in Books > Computers & Technology > Computer Science

## Customer Reviews

Mr. Sandhu has authored a well-written, easily understandable book covering a complex subject with ease. To his credit, in-depth coverage of the PIC chip he has selected as a basis for the published projects is thankfully brief. Readers who purchase this book should have a reasonable amount of experience in the PIC range already, and will be pleased to discover that this book is

NOT a rehash of already published data sheets and chip-specific information. Mr. Sandhu has a refreshingly clear writing style, making a complex subject easy to understand. The book assumes the reader will have access to a development board (the LAB-X1) and is using PICBasic (from Micro Engineering Labs). However, these prerequisites are not essential to the reader's enjoyment of the book. In all cases, schematics of the projects are supplied for the reader to construct, or breadboard. A trial version of the software is available. Instrumentation and controllers are necessary in all walks of life. Home, industry, agriculture and so on. For many years, these devices have been a 'dark art', with potential users resorting to purchasing units to satisfy their instrument and/or controller needs, often being forced into a compromise situation due to exact requirements not being available in commercial equipment. No more. Mr. Sandhu supplies a wealth of information, clear instructions and employs a 'universal' approach to his examples. This approach gives the reader wide scope to modify the published designs to suit their own requirements. I have learned a huge amount from reading this book.

[Download to continue reading...](#)

Making PIC Microcontroller Instruments and Controllers PIC Microcontroller Project Book : For PIC Basic and PIC Basic Pro Compilers Soap Making: 365 Days of Soap Making (Soap Making, Soap Making Books, Soap Making for Beginners, Soap Making Guide, Soap Making Recipes, Soap Making Supplies): Soap Making Recipes for 365 Days Advanced PIC Microcontroller Projects in C: From USB to RTOS with the PIC 18F Series PIC'n Techniques, PIC Microcontroller Applications Guide Serial PIC'n : PIC Microcontroller Serial Communications Automatic On/Off Control of Small Motors & Other Home Appliances Using PIC 18F4680 Microcontroller -- A Circuit Diagram & PIC Program Code The Scientific Apparatus of Nicholas Callan and Other Historic Instruments (Catalogues of historic scientific instruments in Irish collections) Programming and Customizing the PICAXE Microcontroller 2/E (Programmable Controllers Series) Jewelry Making: Jewelry Making Instructions to Easily Create Beautiful Pendants, Bracelets, Earrings, and Necklaces (Jewelry Making Books, jewelry making for dummies, jewelry making tools) Jewelry Making: 33 Tips and Advices For Making Unique Earrings (jewelry making, jewelry making books, jewelry making kits) PIC Microcontroller and Embedded Systems: Using Assembly and C for PIC18 Programming and Customizing the PIC Microcontroller (Tab Electronics) Beginner's Guide To Embedded C Programming: Using The Pic Microcontroller And The Hitech Picc-Lite C Compiler Programming and Customizing the Pic Microcontroller PIC Microcontroller And Embedded Systems 50 PIC Microcontroller Projects: For Beginners and Experts VOICED BASED SMART ELEVATOR SYSTEM: Using PIC 16F877A Microcontroller and MATLAB® Microcontroller Cookbook: PIC and

8051 PIC Microcontroller

[Dmca](#)