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Electronic Projects for Oscilloscopes (Paperback)

By Joseph Berardi

Createspace Independent Publishing Platform, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Electronic Projects for Oscilloscopes by Joseph Berardi There is a tutorial on how an oscilloscope works and the different types of waveforms that can be observed. The book starts out with the fundamentals of passive electronic components including: resistors, capacitors, inductors and transformers. More sophisticated components are presented with a comparison of different possible components used for making the circuits for a digital oscilloscope including: diodes, LED Displays, op-amps, timer integrated circuits, TTL logic family, voltage regulators, analog-to-digital converters and SRAM memory. There is a tutorial on the application of a human interface for controlling an electronic project. The first several projects are the building blocks for making your own oscilloscope including the following projects: a 5V DC Power Supply, variable DC Power Supply, 555-based oscillator and a voltage-controlled oscillator (VCO). Each project includes the design theory, schematics, parts list, PCB artwork and test results or corrections required to make the project work. The book culminates with several oscilloscope projects including a simple easy to build Oscilloscope 2 student version project, then onto a much more sophisticated Oscilloscope 5 broken into...



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Reviews

Without doubt, this is the best operate by any publisher. I was able to comprehend everything out of this written e publication. Its been developed in a remarkably easy way which is only following i finished reading through this ebook by which basically altered me, modify the way i believe.

-- **Dr. Ofelia Grant Sr.**

Very helpful to all of class of folks. This is certainly for all who statte there had not been a worthy of studying. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Jayda Lehner Jr.**