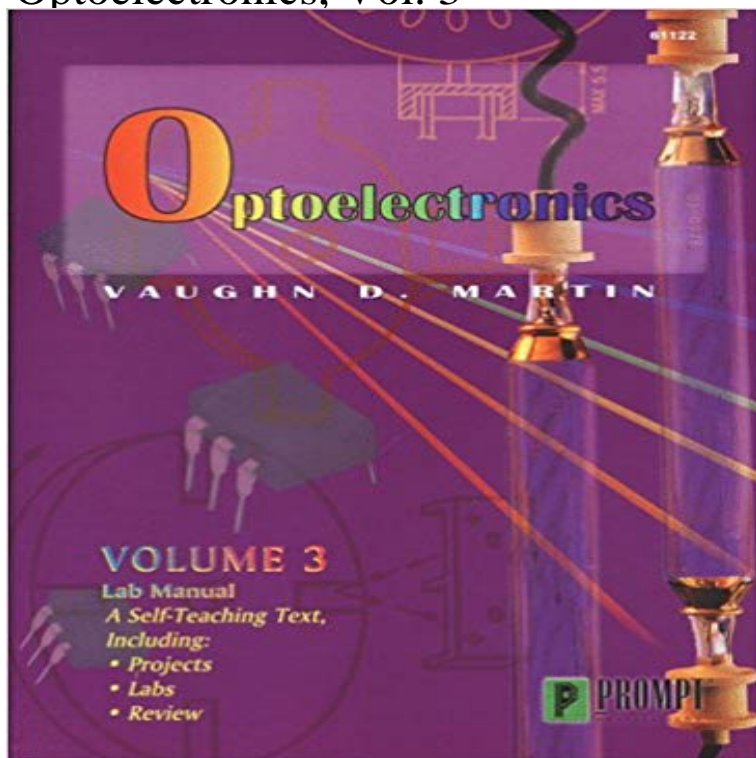


## Optoelectronics, Vol. 3



Optoelectronics is an exciting and useful technology that is constantly growing and evolving. Optoelectronics, Vol. 1 introduced you to the basic concepts of the field, as well as photometrics and optics. Vol. 2 presented you with an intermediate study in the practical aspects and uses of optoelectronics. Here in Optoelectronics, Vol. 3 is a lab manual designed to teach you how to design and build optoelectronics devices by assembling the projects within this volume. Optoelectronics, Vol. 3 gives you the necessary instructions and training to design and assemble your own optoelectronic devices, including a laser optics lab, a sandbox holography lab, and a physical optics lab. It also offers you a review of the essentials of optoelectronics covered in the previous volumes. Topics covered in Optoelectronics, Vol. 3 include: Lights Interaction with Surfaces and Optical Elements Optoelectronic Measurements, Measuring Instruments and Projects Light and Laser Sources Scope Cameras Edge Detection ICs Reflections and Mirrors Speed-of-Light Experiment Refraction, Polarization, Dispersion, Internal Reflections and Photo-elasticity Ambient Light Suppression Techniques Optical Spectrum Analyzer Optical Time Domain Reflectometer (OTDR) AND MUCH, MUCH MORE!

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