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Synchro, Servo and Gyro Fundamentals (Paperback)

By U S Navy

University Press of the Pacific, United States, 2005. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.This manual is intended as a basic training manual for men of the Navy and Naval Reserve whose duties require them to have a knowledge of servosystems and associated devices. It is assumed that the student studying this manual is familiar with basic electricity, basic electronics, the theory of electron tubes, semiconductor devices, power supplies, and amplifiers. Chapters 2 and 3 of this training manual discuss Navy synchro units. Chapter 2 describes the general construction of the units, explains how they are classified and marked, and discusses the basic principles upon which they operate. Chapter 3 presents information relating to multi-speed units, standard connections, and zeroing procedures. This chapter also includes material concerning other units similar to synchros, such as IC synchros, resolvers, and step-by-step units. Chapter 4 discusses the operation and applications of servosystems. The basic open and closed loop systems are described, and the various types of error detectors and servoamplifiers used with the systems are discussed. Gyroscopic principles, and the common types of gyro units used in the Navy are discussed in chapter 5. Also included...



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