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# Ge Radar Detector User Manual

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*Scientific and Technical Aerospace Reports* Oxford University Press

Radiation detection is important in many fields, and it poses significant challenges for instrument designers. Radiation detection instruments, particularly for nuclear decommissioning and security applications, are required to operate in unknown environments and should detect and characterise radiation fields in real time. This book covers both theory and practice, and it solicits recent advances in

radiation detection, with a particular focus on radiation detection instrument design, real-time data processing, radiation simulation and experimental work, robot design, control systems, task planning and radiation shielding.

Journal Springer

Ernst F. W. Alexanderson came to the United States from Sweden in 1901. A prolific inventor in the fields of radio, television, power transmission, electric railways, radar, and computers, he secured more than 340 U.S. patents--the last one in 1973, at the age of 95. Now, in *Alexanderson: Pioneer in American Electrical Engineering*, James E. Brittain provides the first biography of one of the premier engineer-inventors of the twentieth-century. Alexanderson spent most of his career as an engineer at the General Electric Company. He was involved in the controversy over the electrification of railroads--a battle between rival technologies and competitive

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corporations alike--and in the development of the radio alternator, a device that permitted reliable radio communication between North America and Europe in 1918. In a manner possible only in the early days of electrical technology, he mastered the principles of physics, radio engineering, and power engineering, and many of his breakthroughs demonstrated the creative possibilities of simultaneous work in these fields. Alexanderson: Pioneer in American Electrical Engineering also serves as a case study in the history and sociology of twentieth-century technology. Brittain treats themes that remain of vital interest today, including the issue of creativity in a corporate setting, the distinctions between science and engineering, the importance of corporate style and culture, and the role of the military in bringing about technological change. This revealing and informative biography chronicles the distinguished career of a leading figure in the development of technology during the first half of the twentieth century.

Manual of Remote Sensing: Principles and applications of imaging radar Artech House

Conservation Biology, techniques, applications.

**Understanding Earth Observation** Artech House

Beginning with a review of the current need for identification of buried and surface unexplored ordnance such as mines, shells, bombs, this book then explains existing techniques for electromagnetic detection of such targets. A detailed treatment of target signatures (natural frequencies and related parameters) for identification and discrimination of false alarms is also given.

**Aviation Week & Space Technology** Asm

International

Vol. for 1955 includes an issue with title

Product design handbook issue; 1956, Product

design digest issue; 1957, Design digest issue.  
Technical Reports Awareness Circular : TRAC.  
Routledge

The classic reference for radar and remote sensing engineers, Handbook of Radar for Scattering Statistics for Terrain, has been reissued with updated, practical software for modern data analysis applications. First published in 1989, this update features a new preface, along with three new appendices that explain how to use the new software and graphical user interface. Python- and MATLAB-based software has been utilized so remote sensing and radar engineers can utilize the wealth of statistical data that came with the original book and software. This update combines the book and software, previously sold separately, into a single new product. The text first presents detailed examinations of the statistical behavior of speckle when superimposed on nonuniform terrain. The Handbook of Radar Scattering Statistics for Terrain then supports system design and signal processing applications with a complete database of calibrated backscattering coefficients. Compiled over 30 years, the statistical summaries of radar backscatter from terrain offers you over 400,000 data points compiled in tabular format. With this text, you'll own the most comprehensive database of

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radar terrain scattering statistics ever compiled. Derived from measurements made by both airborne and ground-based scatterometer systems, the database includes information from 114 references. The text provides over 60 tables of backscatter data for 9 different surface categories, all derived under strict quality criteria. Rigorous standards for calibration accuracy, measurement precision, and category identification make the database the most reliable source for scattering statistics ever available.

**Remote Sensing for Ecology and Conservation**

Seasat Synthetic-aperture Radar Data User's Manual  
Monthly Catalog of United States Government Publications, Cumulative Index  
Handbook of Radar Scattering Statistics for Terrain

This volume addresses the physical foundation of remote sensing. The basic grounds are presented in close association with the kinds of environmental targets to monitor and with the observing techniques. The book aims at plugging the quite large gap between the thorough and quantitative description of electromagnetic waves interacting with the Earth's environment and the user applications of Earth observation. It is intended for scientifically literate students and professionals who plan to gain a first

understanding of remote sensing data and of their information content.

*Seasat Synthetic-aperture Radar Data User's Manual*

This highly practical resource provides you with thorough working knowledge of the micro-Doppler effect in radar, including its principles, applications and implementation with MATLAB codes. The book presents code for simulating radar backscattering from targets with various motions, generating micro-Doppler signatures, and analyzing the characteristics of targets. You find detailed descriptions of the physics and mathematics of the Doppler and micro-Doppler effect. Moreover, you learn how to derive rigid and non-rigid body motion induced micro-Doppler effect in radar scattering. The book provides a wide range of clear examples, including an oscillating pendulum, a spinning and precession heavy top, rotating rotor blades of a helicopter, rotating wind-turbine blades, a person walking with swinging arms and legs, a flying bird, and movements of quadruped animals.

**Technical Abstract Bulletin**

Includes a mid-December issue called Buyer

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guide edition.

Detection And Identification Of Visually  
Obscured Targets

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Geo Abstracts

Includes all works deriving from DOE, other related government-sponsored information and foreign nonnuclear information.

**Monthly Catalog of United States Government Publications**

Seasat Synthetic-aperture Radar Data User's Manual  
Monthly Catalog of United States Government Publications, Cumulative Index  
Handbook of Radar Scattering Statistics for Terrain  
Artech House  
*Monthly Catalogue, United States Public Documents*

June issues, 1941-44 and Nov. issue, 1945, include a buyers' guide section.

**Energy Research Abstracts**

Issues for 1973- cover the entire IEEE technical literature.

A Directory of Computer Software Applications

February issue includes Appendix entitled

Directory of United States Government periodicals and subscription publications; September issue includes List of depository libraries; June and December issues include semiannual index

Earth Resources

These volumes cover the properties, processing, and applications of metals and nonmetallic engineering materials. They are designed to provide the authoritative information and data necessary for the appropriate selection of materials to meet critical design and performance criteria.

Index to IEEE Publications

Monthly Catalog of United States Government Publications, Cumulative Index

**Electronics**

**Highway Safety Literature**