



# Dielectric Phenomena In High Voltage Engineering (Hardback)

By F. W. Peek

Read Books, United Kingdom, 2008. Hardback. Book Condition: New. 216 x 145 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Originally published in 1915. PREFACE: It is the object of the author to give in this book the properties of gaseous, liquid and solid insulations, and methods of utilizing these properties to the best advantage in the problems of highvoltage engineering. Such problems require a knowledge, not only of the laws and mechanism of breakdown of dielectrics as determined by experiment, but also a simple working knowledge of the dielectric circuit. Methods that have proved useful in designing apparatus, transmission lines, insulators, bushings, etc., are discussed and illustrated by practical application. In addition, such subjects as the manner of making extensive engineering investigations and of reducing data, the measurement of high voltages, the effects of impulse and high-frequency voltages, methods of draw- ing dielectric fields, outline of modern theory, various dielectric phenomena, etc., are considered. In all cases where laws and discussions of dielectric phenomena are given, it has been thought best to accompany these with experimental data. Much original work is given, as well as reference to other in- vestigations. The authors extensive research was made...



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