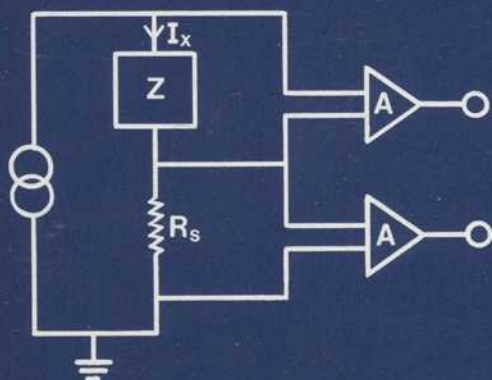


ENGINEERING DIELECTRICS

Volume II B



Electrical Properties of
Solid Insulating Materials:
Measurement Techniques

R. Bartnikas, editor

ASTM STP 926

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Volume IIB

Electrical Properties of Solid Insulating Materials: Measurement Techniques

R. Bartnikas

Editor

Institut de Recherche d'Hydro-Quebec

Varenes, Quebec, Canada



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Foreword

The present publication, Volume IIB, constitutes a part of a monograph series entitled *Engineering Dielectrics*. The subject matter of the series encompasses various practical and theoretical facets of dielectric materials that are suitable for use in electrical apparatus, cables, and devices. The series consists of eight volumes, namely:

- Volume I Corona Measurement and Interpretation (*ASTM STP 669*)
- Volume IIA Electrical Properties of Solid Insulating Materials:
Molecular Structure and Electrical Behavior (*ASTM STP 783*)
- Volume IIB Electrical Properties of Solid Insulating Materials:
Measurement Techniques (*ASTM STP 926*)
- Volume IIIA Solid-Liquid Insulating Systems: Impregnants
- Volume IIIB Solid-Liquid Insulating Systems: Impregnated Systems
- Volume IV Cable Insulating Systems
- Volume V Transformer and Rotating Machine Insulating Systems
- Volume VI Capacitor and Bushing Insulating Systems

The series is sponsored by ASTM Committee D-9 on Electrical Insulating Materials. The thoroughness with which the subject matter must be treated has caused some protraction of the publication dates of the individual volumes. Many enquiries have been received concerning the release of volumes that have not yet been published and are in various stages of preparation. In this regard, your patience and understanding are greatly appreciated. Since I have just completed my third and final consecutive term as chairman of ASTM Committee D-9, additional time has become available to me for writing and editing purposes. It is hoped that this will expedite the publication of future volumes.

R. Bartnikas
Editor

Related ASTM Publications

Engineering Dielectrics, Volume IIA—Electrical Properties of Solid Insulating Materials: Molecular Structure and Electrical Behavior, STP 783 (1983), 04-783000-21

Engineering Dielectrics, Volume I: Corona Measurement and Interpretation, STP 669 (1979), 04-669000-21

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A Need for Measurement:

. . . whenever I conceive any material or corporal substance, I immediately feel the need to think of it as bounded, and as having this or that shape; as being large or small in relation to other things, and in some specific place at any given time; as being in motion or at rest; as touching or not touching some other body; and as being one in number, or few, or many.

Galileo

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