

Application Note APNE-0005

Suggested Literature References For Electrostatics

BOOKS

- R. BARTNIKAS, Engineering Dielectrics Volume IIB, Electrical Properties of Solid Insulating Materials: Measurement Techniques, ASTM, Philadelphia, PA (Special Technical Publication 926) 1987. ISBN 0-8031-0491-X.**
- EDWARD A. LACY, Protecting Electronic Equipment From Electrostatic Discharge, TAB Books, Blue Ridge Summit, PA, 1984. ISBN 0-8306-0820.
- NEIL SCLATER, Electrostatic Discharge Protection for Electronics, TAB Books, Blue Ridge Summit, PA, 1990. ISBN 0-8306-8329-1.
- A.D. MOORE, editor, Electrostatics and Its Applications, Wiley, New York, 1973. ISBN 0-471-61450-5.

PAPERS and ARTICLES

- P.M. BORSENBARGER and W. MEY, Eastman Kodak Co., "Potential Discharge Kinetics of Double-layer Polymeric Photoreceptors" in JOURNAL OF NON-CRYSTALLINE SOLIDS 28, 1978.
- R.G. CUNNINGHAM, Eastman Kodak Co., "Use of Fieldmeters for Charge Measurements on Moving Webs" in 1975 ANNUAL REPORT, CONFERENCE ON ELECTRICAL INSULATION AND DIELECTRIC PHENOMENA, NATIONAL ACADEMY OF SCIENCES pp. 13-20, 1978.
- G.M. LOUBRIEL, Sandia National Laboratories, "Adapting an electrostatic voltmeter for ultrahigh-vacuum operation" in REV. SCI. INSTRUM., 56 (4), APRIL 1985, pp. 623-625, 1985.
- A. VAN ROGGEN, E.I. du Pont de Nemours & Company, "The Use of Electric Field Meters for Precision Measurements" in 1972 ANNUAL REPORT, CONFERENCE ON ELECTRICAL INSULATION AND DIELECTRIC PHENOMENA, NATIONAL ACADEMY OF SCIENCES, pp. 9-16, 1973.
- WILLIAM E. VOSTEEN, Monroe Electronics, Inc., "A REVIEW OF CURRENT ELECTROSTATIC MEASUREMENT TECHNIQUES AND THEIR LIMITATIONS" Presented at the ELECTRICAL OVERSTRESS EXPOSITION, April 24-26, 1984.*
- WILLIAM E. VOSTEEN, Monroe Electronics, Inc., "THE 'TAPE' ELECTROSTATIC FIELD SENSOR AND ITS APPLICATIONS", in PROCEEDINGS OF THE TECHNICAL PROGRAM, 1986 ELECTRICAL OVERSTRESS EXPOSITION, pp. 30-33, 1986.*

STANDARDS

- ASTM D-257—"Standard Test Method for D-C RESISTANCE OR CONDUCTANCE OF INSULATING MATERIALS"***
- ELECTROSTATIC CHARGE"***ASTM D-3509—"Standard Test Method for ELECTROSTATIC FIELD STRENGTH DUE TO SURFACE CHARGES"***
- ASTM D-4470—"Standard Test Method for STATIC ELECTRIFICATION"***

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