

Australian Standard™

**High-voltage test techniques—Partial  
discharge measurements**



**S t a n d a r d s** Australia

This Australian Standard was prepared by Committee EL-007, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 20 August 2001 and published on 28 September 2001.

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Australian Standard™

## High-voltage test techniques—Partial discharge measurements

Originated as AS 1018—1970.  
Previous edition AS 1018—1985.  
Revised and redesignated AS 60270—2001.

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## PREFACE

This Standard was prepared by the Standards Australia Committee EL-007, Power Switchgear to supersede AS 1018—1985.

The objective of this Standard is to define the terms used, relevant quantities to be measured, and to describe test and measuring circuits and procedures for the measurement of partial discharges in electrical equipment.

This Standard is identical with and has been reproduced from IEC 60270:2000, *High-voltage test techniques—Partial discharge measurements*.

This Standard differs from AS 1018—1985 in the following areas:

- (a) Definitions for partial discharge pulses and quantities related to partial discharge pulses, measuring systems and their characteristics and digital partial discharge instruments.
- (b) Test circuits and measuring systems.
- (c) Calibration of a measuring system in the complete test circuit and calibrators.
- (d) Tests and test procedures.
- (e) Measurement of uncertainty and sensitivity.

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The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A normative annex is an integral part of a Standard, whereas an informative annex is only for information and guidance.

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