

AS 1018—1985

Australian Standard<sup>®</sup>

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**Partial discharge measurements**

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This Australian standard was prepared by Committee EL/7, Power Switchgear. It was approved on behalf of the Council of the Standards Association of Australia on 20 November 1984 and published on 4 April 1985.

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The following interests are represented on Committee EL/7

Australian British Chamber of Commerce  
Australian Electrical and Electronic Manufacturers Association  
Confederation of Australian Industry  
Electricity Supply Association of Australia  
Institution of Engineers, Australia  
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## PREFACE

This edition of this standard was prepared by the Association's Committee on Power Switchgear to supersede AS 1018—1970, Recommendations for Partial Discharge Measurements.

This standard is identical with and has been reproduced from IEC 270(1981), Partial Discharge Measurements. Thus it does not have the same format as AS 1018—1970.

This standard applies to the methods of measurement of partial discharges in the insulating media of electrical equipment during tests principally with alternating voltage, however, it also covers special requirements for partial discharge test measurements during tests with direct voltage.

This standard is intended principally as a guide to the drafting of specifications for specific equipment.

For the purpose of this standard, the text of the IEC Publication should be modified as follows:

- (a) *Clauses 4.3.6 and 6.4.1.* Both Clauses 4.3.6 and 6.4.1 have been slightly amended and for the convenience of users the amendments have been inserted directly into the text of the standard and this is indicated by a rule in the margin.
- (b) *Technical Committee.* Where reference is made to 'the relevant Technical Committee' this should also be taken as a reference to the relevant equipment standard.
- (c) *Decimal comma.* The decimal point should replace the decimal comma wherever it appears.
- (d) *Cross-reference.* The reference to IEC Publications should be replaced by reference to Australian Standards, as follows:

<i>Reference to IEC Publication</i>		<i>Appropriate Australian Standard</i>
IEC 60:	High voltage test techniques	AS 1931 High Voltage Testing Techniques
IRC 60-2, Part 2:	Test Procedures	Part 1— General Definitions, Test procedures and Measuring Devices

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