

Australian Standard™

**Automatic fire detection and alarm
systems**

Part 16: In situ testers

This Australian Standard was prepared by Committee FP-002, Fire Detection, Warning, Control and Intercom Systems. It was approved on behalf of the Council of Standards Australia on 29 April 2002 and published on 30 May 2002.

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Audio Engineering Society
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Australian Institute of Building Surveyors
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PREFACE

This Standard was prepared by the Standards Australia Committee FP-002, Fire Detection, Warning, Control and Intercom Systems.

The objective of this Standard is to provide requirements for in situ testers, which will allow the testing of fire detectors without adversely affecting the operation of the detector under test.

It is recommended that a period of 12 months, from the publication of this Standard, be allowed for manufacturers to comply with this Standard.

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STANDARDS AUSTRALIA

Australian Standard

Automatic fire detection and alarm systems

Part 16: In situ testers

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the requirements for the design, construction and performance of in situ testers for point type fire detectors.

1.2 APPLICATION

This Standard applies to in situ testers intended to verify the alarm operation of installed point type fire detectors.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

- 1851 Maintenance of fire protection equipment
- 1851.8 Part 8: Automatic fire detection and alarm systems
- 2484 Fire—Glossary of terms
- 2484.2 Part 2: Fire protection and firefighting equipment
- 2706 Numerical values—Rounding and interpretation of limiting values

AS/NZS

- 3100 Approval and test specification—General requirements for electrical equipment
- 4417 Marking of electrical products to indicate compliance with regulations
- 4417.2 Part 2: Specific requirements for electrical safety regulatory applications

1.4 DEFINITIONS

For the purposes of this Standard, the definitions given in AS 2484.2 apply.

1.5 INTERPRETATION OF SPECIFIED LIMITING VALUES

For the purpose of assessing compliance with this Standard, the specified limiting values herein shall be interpreted in accordance with the ‘rounding method’ described in AS 2706, that is, the observed or calculated value shall be rounded to the same number figures as in the specified limiting value and then compared with the specified limiting value. For example, for specified limiting values of 2.5, 2.50 and 2.500, the observed or calculated value would be rounded respectively to the nearest 0.1, 0.01 and 0.001.

1.6 CLASSIFICATION

The in situ tester shall be classified according to the test medium specified in Clause 2.2.