

AS 3547—1997
(Incorporating Amendment No. 1)

AS 3547

Australian Standard™

**Breath alcohol testing devices
for personal use**

This Australian Standard was prepared by Committee CS/77, Blood Alcohol Testing Devices. It was approved on behalf of the Council of Standards Australia on 31 December 1996 and published on 5 March 1997.

The following interests are represented on Committee CS/77:

Australian Association of Certification Bodies
Australian Automobile Association
Australian Chamber of Commerce and Industry
Australian Chamber of Manufactures
Central Queensland University
Department of Transport S.A.
N.S.W. Police Service
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Breath alcohol testing devices for personal use

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PREFACE

This Standard was prepared by Standards Australia Committee CS/77, Blood Alcohol Testing Devices, to supersede AS 3547—1993.

This Standard incorporates Amendment No. 1 (June 2000). The changes required by the Amendment(s) are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

While the performance criteria for the breath alcohol testing devices specified within remain largely unchanged in this edition, the test requirements for these devices have been clarified and more closely aligned. Other changes to the Standard include—

- (i) an alignment of the minimum calibration periods and display requirements for Type 2, Type 3 and Type 4 devices;
- (ii) replacement of the vibration and dust exposure tests for Type 2 devices with a simple robustness test; and
- (iii) removal of requirements for analogue displays, due to the increasing obsolescence of devices incorporating such displays.

The Committee was aware that recalibration of electronic breath alcohol testing devices at regular intervals is vital if accurate results are to be obtained. Provision of recalibration facilities to the general public at a reasonable price, should, in the opinion of the Committee, be a prerequisite for the sale of electronic breath alcohol devices for personal use. Obviously, such a requirement could not be included in an Australian Standard product specification, and it is therefore only included as a recommendation for consideration by the appropriate regulatory authorities and by the suppliers of these devices.

Requirements specified in Section 5 for breath alcohol testing devices such as those which are fitted to motor vehicles or machinery relate only to the performance and accuracy of these devices in measuring the alcohol content of expired air and in providing an appropriate output signal to the circuitry which interacts with the vehicle or machine. Requirements are not included for systems which are designed to ensure that only the driver's or operator's breath is measured and no other source of air is introduced into the device. The means by which these devices interact with motor vehicles or machinery to inhibit their use are also not specified. In both instances these functions were considered to be beyond the scope of this Standard.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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