

CONFIRMED
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Specification for

Glass alcohol hydrometers not incorporating a thermometer

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The Laboratory Apparatus Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific, industrial and consumer organizations:

- Agricultural Research Council
- Association for Science Education
- Association of Technical, Scientific and Managerial Staffs
- British Laboratory Ware Association*
- British Lampblown Scientific Glassware Manufacturers' Association Ltd*
- British Pharmacopoeia Commission*
- Chemical Industries Association*
- Chemical Society, Analytical Division
- Department of Health and Social Security
- Department of Industry, Laboratory of the Government Chemist*
- Department of Industry, National Physical Laboratory
- Glass Manufacturers' Federation
- Institute of Petroleum*
- Ministry of Defence
- Pharmaceutical Society of Great Britain
- Scientific Instrument Manufacturers' Association
- Society of Chemical Industry
- Society of Glass Technology*
- Standardization of Tar Products Tests Committee

The Government department and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Agricultural Education Association
- Royal Institute of Chemistry
- Scotch Whisky Association
- Wine and Spirit Association of Great Britain

This British Standard, having been prepared under the direction of the Laboratory Apparatus Standards Committee, was published under the authority of the Executive Board on 31 March 1977

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The following BSI references relate to the work on this standard:
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Foreword

This British Standard was published under the authority of the Laboratory Apparatus Standards Committee following consultations between Government departments, manufacturers and users of alcohol hydrometers. It was prepared at the request of HM Customs and Excise in support of an intended statutory instrument to implement a Council Directive of the EEC¹⁾, and covers only those instruments which are expected to be used in the United Kingdom; it thus excludes alcoholometers (indicating strength as % *m/m* or % *V/V*, instruments incorporating a thermometer, and instruments of class I or class III accuracy as defined in the EEC Directive.

The requirements of this British Standard align with those of two draft International Standards for hydrometers, ISO/DIS 387²⁾ and ISO/DIS 4801²⁾, insofar as they were known at the time of preparation. These International Standards were in course of preparation by Sub-committee 4, Hydrometers, of ISO Technical Committee 48, Laboratory glassware and related apparatus.

The expression “graduation line” which appears in clauses 6, 7 and 9, and “datum mark” which appears in 4.5 are internationally accepted terminology, and are equivalent to the expressions “scale mark” and “reference mark” respectively, used in the Directive.

Information on the testing of the hydrometers is given in Appendix A.

Certification. Attention is drawn to the certification facilities described on the inside back cover of this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ Council Directive of 27 July 1976, 76/765/EEC on the approximation of the laws of the Member States relating to alcoholometers and alcohol hydrometers.

²⁾ in course of preparation.