

Australian Standard™

**Laboratory glassware—Density
hydrometers**

This Australian Standard was prepared by Committee CH-001, Laboratory Glassware and Related Apparatus. It was approved on behalf of the Council of Standards Australia on 31 March 2003 and published on 8 May 2003.

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Laboratory glassware—Density hydrometers

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PREFACE

This Standard was prepared by the Standards Australia Committee CH-001, Laboratory Glassware and Related Apparatus to supersede AS 2026—1994, *Density hydrometers*.

The objective of this Standard is to provide a document giving requirements for density hydrometers. This edition is essentially the same as 1994 edition but has been reformatted for clarity.

The main provisions of this Standard follow closely those of ISO 649:1981, *Laboratory glassware—Density hydrometers for general purposes*, Part 1: *Specification*, and Part 2: *Test methods and use*, with minor differences in some technical details and in the units which are used.

Five series of hydrometers are specified, and dimensions were chosen that would lead to convenience in use and economy in manufacture.

To assist users who may, for special purposes, require a hydrometer which is not included in any of the five series specified, appendices are provided giving notes on the design and adjustment of hydrometers, a method for the determination of density, the measurement of liquid in bulk and for suitable vessels for use with hydrometers.

The Standard does not make provision for the high surface tension category for hydrometers.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS.....	4
3 DESIGNATION.....	4
4 RANGES.....	4
5 BASIS OF SCALE.....	5
6 REFERENCE TEMPERATURE.....	5
7 MATERIAL AND WORKMANSHIP.....	5
8 FORM.....	5
9 PRINCIPAL DIMENSIONS.....	5
10 SCALE.....	6
11 GRADUATION LINES.....	6
12 ACCURACY.....	7
13 CATEGORIES OF SURFACE TENSION FOR HYDROMETERS.....	7
14 MARKING.....	7
 APPENDICES	
A DETERMINATION OF DENSITY BY MEANS OF A HYDROMETER.....	13
B DESIGN OF HYDROMETERS.....	22
C VESSELS FOR HYDROMETRIC OBSERVATIONS.....	25
D CALCULATION ON LIQUIDS IN BULK.....	27

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