

(PREVIEW)

Indian Standard

SPECIFICATION FOR DENSITY HYDROMETERS

PART II METHODS OF TEST AND USE

0. FOREWORD

0.1 This Indian Standard (Part II) (First Revision) was adopted by the Indian Standards Institution on 30 January 1982, after the draft finalized by the Laboratoryware and Related Apparatus Sectional Committee had been approved by the Chemical Division Council.

0.2 This standard was first published in 1965. The first revision of this standard aligns with the revised ISO : 649-1968 'Laboratory glassware — Density hydrometers for general purposes', issued by the International Organization for Standardization (ISO).

0.3 In this revision the standard has been prepared in two parts; Part I covers requirements of hydrometers and Part II covers methods of test and use of these hydrometers.

0.4 Part II prescribes the methods of test and use of hydrometers to obtain results with high precision introducing the correction factors due to hydrometers scale error; meniscus height of the liquid; and difference between surface tension and/or temperature of the liquid and that for which the hydrometer is graduated.

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard (Part II) specifies the methods of test and use of density hydrometers for general purposes.

*Rules for rounding off numerical values (*revised*).