

(PREVIEW)

*Indian Standard*SPECIFICATION FOR
STANDARD HYDROPHONE**0. FOREWORD**

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 May 1975, after the draft finalized by the Acoustics Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 This standard covers the design requirements of standard piezoelectric hydrophones and the data required to specify their characteristics. Such requirements and characteristics are given as to specify the hydrophone to be suitable as a standard hydrophone for calibration purposes, to be used as a standard for comparison with other hydrophones that are intended for daily use.

0.3 While preparing this standard, assistance has been derived from IEG Pub 500 (1974) ' IEC Standard hydrophone ' issued by the International Electrotechnical Commission.

0.4 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 covers the design requirements of standard piezoelectric hydrophones and the data required to specify their characteristics.

2. TERMINOLOGY

2.0 For the purpose of this standard, the terms and definitions covered in IS : 1885 (Part III/Sec 4)-1966† shall apply.

3. GENERAL DESCRIPTION

3.1 The requirements for a standard hydrophone, to be used as a reference for underwater sound pressure levels, are mainly concerned with its free

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

†Electrotechnical vocabulary: Part III Acoustics, Section 4 Sonics, ultrasonics and underwater acoustics.