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PEOPLE'S REPUBLIC OF CHINA**

GB/T 4130.2-2024

Replacing GB/T 4130-2017

**Acoustics - Calibration of hydrophones - Part 2: Procedures for
low frequency pressure calibration**

声学 水听器校准 第2部分：低频声压场校准方法

(English Translation)

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Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is part 2 of GB/T 4130 "Calibration of acoustic hydrophones". GB/T 4130 has been published in the following parts.

--- Part 2: Low frequency sound pressure field calibration method.

This document replaces GB/T 4130-2017 "Low-frequency calibration method for acoustic hydrophones". Compared with GB/T 4130-2017, except for the structure in addition to adjustments and editorial changes, the main technical changes are as follows.

--- Added calibration steps (see Chapter 5);

--- Added electrical measurements (see Chapter 6);

--- Added the hydrostatic excitation method alternative (see 7.4);

--- Added pistonphone calibration (see Chapter 10);

--- Added static pressure transducer calibration (see Chapter 12);

--- Deleted the determination of hydrophone voltage coupling loss (see Appendix A of the 2017 edition);

--- Incorporate the determination of equivalent height into the hydrostatic excitation method calibration (see 7.2.3, Appendix B of the 2017 edition);

--- Incorporate the measurement method of the characteristic constants of the piezoelectric