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Hydrometers—Part 2: Liquefied petroleum gases density hydrometers

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Contents

| | | Pa | ge |
|-------------------|--|---|----|
| Introd | luction ····· | | 1 |
| 1 | | | |
| $\frac{1}{2}$ | • | ences ····· | |
| 3 | | iitions | |
| 4 | | | |
| 5 | | erature ····· | |
| 6 | Maximum permitted error | | |
| 7 | Surface tension | | |
| | | | |
| 8 9 | Reference levels for adjustment and reading Immersion | | |
| | | vorkmanship ······ | |
| 10 | | - | |
| 11 | _ | nsions ····· | |
| $\frac{12}{12.1}$ | | | |
| 12.2 | | s | |
| 12.3 | | duation lines | |
| 12.4 | 0 0 | luation lines | |
| 12.5 | | le | |
| 13 | | nce | |
| 14 | Thermometer | (| 3 |
| 15 | | | 7 |
| $15.1 \\ 15.2$ | Graduation lines to be tested | | |
| 16 | Test of material and construction | | |
| 17 | Pressure resistance test | | |
| 18 | Inscriptions | e resistance test | |
| • | | Liquefied petroleum gases density hydrometers used for transactions or certifications | |
| Annex | B (normative) | In-service inspection 17 | 7 |
| Annes | c C (normative) | Control of electronic balance | 8 |

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS B 7525-2**:2013 is replaced with this Standard.

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JIS B 7525 series consists of the following 3 parts under the general title "Hydrometers":

Part 1: Density hydrometers

Part 2: Liquefied petroleum gases density hydrometers

Part 3: Specific gravity meters

Hydrometers—Part 2: Liquefied petroleum gases density hydrometers

JIS B 7525-2:2018

Introduction

Annex A and Annex B of this Japanese Industrial Standard provide, among the requirements for liquefied petroleum gases density hydrometers stipulated by the Measurement Act, those related to technical standards of construction and performance and test methods thereof. Being verified for conformance with these Annexes is not regarded as equivalent to passing the test stipulated by the Measurement Act.

1 Scope

This Standard specifies requirements for pressure resistant hydrometers that are graduated to indicate density of liquefied petroleum gases (hereafter referred to as the hydrometers).

Hydrometers used for transactions or certifications are given in Annex A and Annex B.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.

JIS B 7616:2013 Operation and calibration procedures of pressure balances

JIS B 7414 Glass thermometers

JIS Z 8103 Glossary of terms used in measurement

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 8103**, and the following apply.

3.1

reference temperature

temperature to be used as a reference for graduation of the density scale of the hydrometer

3.2

meniscus top reading

method of taking a reading of a hydrometer at the top of the meniscus