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**Procedures of characterization and  
calibration for pressure gauges —  
Part 1: General**

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## Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Measuring Instruments Federation (JMIF)/National Institute of Advanced Industrial Science and Technology (AIST)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act. This Standard partially replaces **JIS B 7547 : 2008**, which has been withdrawn.

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**JIS B 7547** series consists of the following 2 parts under the general title *Procedures of characterization and calibration for pressure gauges* :

JIS B 7547-1 *Part 1 : General*

JIS B 7547-2 *Part 2 : High-pressure gauges*

# Procedures of characterization and calibration for pressure gauges — Part 1 : General

## 1 Scope

This Japanese Industrial Standard specifies the procedures of characterization and calibration for pressure gauges used as a standard in the calibration, test, inspection, etc. of pressure gauges. However, the procedures of characterization and calibration for pressure gauges for high-pressure gas by the standard calibrated with liquid pressure are excepted. It does not apply to pressure balances.

## 2 Normative references

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

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

#### characteristic test

test to be carried out for evaluating the metrological performance of pressure gauge. The input-output characteristics test and the environment sensitivity test are included.

### 3.2

#### range

pressure range to be measured by a pressure gauge

### 3.3

#### span

absolute value of the difference between the upper limit value and lower limit value of given range, which represents the width of the range

### 3.4

#### standard

measuring instrument to generate or measure the pressure to be the standard for application on the tested device or calibrated device

### 3.5