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JJG

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJG 926-2015

Replacing JJG 926-1997

**Verification Regulation of Record Pressure Gauges, Pressure
Vacuum Gauges and Vacuum Gauges
(English Translation)**

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7.5 Test cycle (6)

Appendix A recording pressure gauge test recording format (7)

Appendix B recording pressure gauge calibration certificate/test results in the notice page format (8)

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Introduction

JJF1002 "national verification procedures write rules", JJF1001 "common measurement terms and definitions" JJF1059 "Evaluation and Expression of Uncertainty in Measurement" series together constitute the basic norms of the regulations revision.

Revised procedures combined with China's national conditions, the use of the International Organization of Legal Metrology (OIML) International Recommendation R112 "Indicates recording type and pressure gauge with an elastic element, vacuum gauge, pressure - vacuum gauge (General Instrument)" part Content is reserved JJG 926-1997 "recording pressure gauges, pressure vacuum gauge and vacuum gauge test procedures" line of Revision under the premise of effective content. This procedure compared with JJG 926-1997, in addition to editorial changes, the main Technical changes are as follows.

- Press JJF1002-2010 "national verification procedures write rules" requirement, increase the introduction Content;
- Regulations covering the content JJG 926-1997 apply to all records pressure gauges, pressure vacuum Verification table and vacuum table;
- Delete the contents of the measuring range upper limit of the range;
- Improve the content of the overview;
- Refine the test conditions;
- Straighten out the order of test items and test methods;
- Remove the "0.25, 0.4, 0.6" Recording pressure gauge accuracy classes;
- An increase of "90% to 100%" Pressure measuring range tolerance requirements;
- Added "tap shift", "smooth stylus movement";
- Added "test certificate/test results within the notice page and Format" appendix.

The regulations previously issued as follows.

- JJG 926-1997.

Recording pressure gauges, pressure vacuum gauge and vacuum meter testing procedures

1 Scope

The order applies to recording pressure gauges, pressure vacuum gauge and vacuum gauge (hereinafter referred to as gauge) of the first seizure Set, and use the subsequent verification check.

2. References

This procedure references the following documents.

JJF1008-2008 "Pressure measurement terminology and definitions" JJG 52-2013 "elastic element type general pressure gauges, pressure vacuum gauge and vacuum gauge" GB/T 1226-2010 "General gauges" for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement

3.1 Terms

3.1.1 record pressure gauge Amount of pressure can be continuously recorded on the recording paper gauge. [JJF1008-2008 defined 4.24] 3.1.2 recording paper recordpaper Continuous recording sheet pressure magnitude and specific functions of travel time.

3.1.3 Error traveltimeerror go Finish the trip within the stipulated time and the time difference with the standard time.

3.2 units of measurement Legal units of measurement used to gauge Pa (Pascal), or its decimal multiples units. kPa, MPa Etc; time unit of measure as the legal units of measurement s (seconds) or min (minute) and h (hours).

4 Overview

Pressure gauge is mainly used for liquid, gas and vapor measurement.

Gauge works by using elastic sensing element (such as a diaphragm spring tube or the like) to produce bomb under pressure Plastic deformation - displacement, size, shape and function of its variable pressure into a linear relationship, by means of connecting rod drive Mechanism (movement) stylus driven by a stylus on a moving recording paper record of the measured pressure.

5 metering performance requirements 5.1 accuracy class and the maximum permissible error Pressure gauge accuracy classes and maximum permissible errors shall comply with Table 1.