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**INDUSTRY STANDARD OF THE
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**Program of Pattern Evaluation of Elastic Element Precise
Pressure Gauges and Vacuum Gauges
(English Translation)**

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Introduction

JJF 1015 "Measuring Instruments type evaluation and type approval general specification", JJF 1016 "Measuring Instruments type evaluation Outline guidelines for the preparation ", JJF 1002" national verification procedures writing rules "and JJF 1071" National Calibration Specifications writing rules "together constitute the basic family of specifications developed by the present outline.

The method of the present requirements and outline all the test items are referring to GB/T 1227-2010 "precision pressure gauges" and JJG49 "elastic element precision pressure gauge and vacuum gauge" Writing. At the same time, also with reference to the GB/T 2423.10-2008 "Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal)" JB/T 5528-2005 "Scale and gauge division", JB/T 9252-1999 "Industrial Automation Instrumentation pointer General requirements for basic types shown portion size and pointer ", JB/T 9329-1999" Instrumentation transport Basic environmental conditions and test methods "transport storage.

The elastic element precision pressure gauge and vacuum gauge Type Evaluation Outline

1 Scope

This outline is applied to the measurement range (-0.1 ~ 250) MPa elastic element precision pressure gauge and vacuum gauge (Hereinafter referred to as instrumentation) of pattern evaluation; does not apply to the meter with additional equipment and special functions.

2. References

This outline cited the following documents.

JJG49-2013 elastic element precision pressure gauge and vacuum gauge GB/T 1227-2010 precision pressure gauges GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc.

Vibration (sinusoidal) JB/T 5528-2005 scale and gauge division the basic types JB/T 9252-1999 industrial automation, instrumentation pointer portion size and a pointer General

technical requirements JB/T 9329-1999 Instrument transportation transport storage basic environmental conditions and test methods for dated references, only the dated edition applies to this outline; undated references, the latest version (including any amendments) applies to this outline.

3 Terms

3.1 alternating pressure test cyclic pressure test the instrument is applied to a certain extent, frequency, according to certain rules reciprocally alternating load.

4 Overview

The main instrument for pressure test instrument can also be used for precision measurement of pressure and vacuum.

The instrument works by using elastic sensing element (such as a spring tube) elastically deformed under pressure, which Role of pressure and deformation of a certain linear relationship, through a transmission mechanism amplified by the pointer indexing disc Indicative of the measured pressure. Flexible sensor instrument commonly used spring tube, but it may take other forms Elastic sensing element.

5 legal management requirements 5.1 units of measurement Units of measurement instrumentation for Pa (Pascal), or its decimal multiples units. kPa, MPa and the like.