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**Program of Pattern Evaluation of Digital Pressure Gauges
(English Translation)**

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Table of Contents

Introduction (III)	
1 Scope (1)	
2. References (1)	
3 Overview (1)	
4 Legal management requirements (2)	
4.1 Units of measurement (2)	
4.2 Accuracy class (2)	
4.3 Legal metrology marking and identification of measuring instruments (2)	
4.4 Installation flag (2)	
4.5 Experimental Prototype (3)	
4.6 Technical Information (3)	
5 Measurement requirements (3)	
5.1 Indication error (3)	
5.2 Return error (3)	
5.3 Repeatability (3)	
5.4 Hydrostatic zero error (3)	
5.5 Zero Drift (3)	
5.6 Stability (3)	
5.7 Shows fluctuations in the value (3)	
5.8 Ultra (static) pressure (4)	
5.9 Additional features (4)	
6 General Requirements (4)	
6.1 Appearance (4)	
6.2 Alternating load (4)	
6.3 Insulation resistance (4)	
6.4 Dielectric strength (4)	
6.5 Effect of temperature (5)	
6.6 Supply voltage change impacts (5)	
6.7 External magnetic field (5)	
6.8 Power transient overvoltage impact (5)	
6.9 A short supply disruptions (5)	
6.10 Effect of low power supply voltage drop (5)	

- 6.11 Common mode interference series mode (6)
- 6.12 Vibration resistant work environment (6)
- 6.13 Anti-environmental performance of transport (6)
- 7 Type Evaluation Project (6)

6.8 Power transient overvoltage impact (5)

- 6.9 a short supply disruptions (5)

7 Type Evaluation Project (6)

Test methods and test conditions for 8 projects (7)

9 Type, Judgment principle results (14)

Appendix A digital pressure gauge type evaluation original record format (15)

Introduction

JJF 1002-2010 "national verification procedures write rules", JJF 1001 "common measurement terms and definitions" and JJF 1059 "Evaluation and Expression of Uncertainty in Measurement" together constitute the basic outline of the development of the series specifications.

This outline accordance JJG875-2005 "digital pressure gauge," and JB/T 7392-2006 "digital pressure gauge" the content requires compiled, it is possible to make a digital pressure gauge performance objective, comprehensive and effective evaluation.

The outline of the structure in accordance with JJF 1016-2009 "appliance type evaluation outline guidelines for the preparation of measurement" orchestrated each chapter in accordance with JJF 1015-2002 "Measuring Instruments type evaluation and type approval of universal norms" and JJF 1002-2010 provisions "national verification procedures write rules" were prepared.

Digital pressure gauge type evaluation outline

1 Scope

This outline is applicable to all types of digital pressure gauge measuring range -0.1MPa ~ 250MPa (hereinafter referred to as the instrument Table) pattern evaluation.

2. References

This outline cited the following documents.

JJG875-2005 digital pressure gauge GB/T 2423.10-2008 Environmental testing for electric

and electronic products Part 2. Test methods Test Fc.

Vibration (sinusoidal) GB/T 17214.3-2000 working conditions in industrial process measurement and control devices - Part 3. Mechanical influences JB/T 6239.1-2007 industrial automation instruments Common test methods - Part 1. Common mode, series mode immunity Test JB/T 6239.3-2007 industrial automation instruments Common test methods - Part 3. Anti-low power supply voltage drop Interference Test JB/T 6239.4-2007 industrial automation instruments Common test methods - Part 4. Anti-power, short interruptions Interference Test JB/T 6239.5-2007 industrial automation instruments Common test methods - Part 5. Power single fast transients Pulse immunity test JB/T 7392-2006 digital pressure gauge JB/T 9233.11-1999 Test methods for industrial automation, instrumentation common external magnetic field 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 reference documents Member, the latest edition (including any amendments) applies to this outline.

3 Overview

Meter is a digital display of measured pressure gauge value and can be used to measure gas, liquid and steam tables Pressure, differential pressure, absolute pressure.

Instrument working principle is. the pressure measured by the mass media pressure acting on the pressure sensor, pressure sensor output phase an electric signal or a digital signal after processing by the signal processing unit directly on the monitor shows the amount of measured pressure value. Its working principle block diagram shown in Figure 1.