Chinastandards.org

ICS 17.100

JJF

NATIONAL METROLOGY TECHNICAL SPECIFICATION OF THE PEOPLE'S REPUBLIC OF CHINA

JJF 1413-2013

Program of Pattern Evaluation of Tyre Pressure Gauges

轮胎压力表型式评价大纲

(English Translation)

Issued on: June 27, 2013 **Implemented on: September 27, 2013**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine

Preview: page 1 of 4 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1413-2013

Chinastandards.org

Table of Contents

Introduction (II)
1 Scope (1)
2. References (1)
3 Overview (1)
4 Legal management requirements (1)
4.1 Units of measurement (1)
4.2 Accuracy class (1)
4.3 Legal metrology marking and identification of measuring instruments (1)
4.4 Installation flag (2)
4.5 Experimental Prototype (2)
4.6 Technical Information (2)
5 Measurement requirements (2)
5.1 Measurement limit and accuracy class (2)
5.2 The maximum permissible error (3)
5.3 Changes indication (3)
5.4 Indicates the status (3)

5.1 Measurement limit and accuracy class (2)

5.2 The maximum permissible error (3)

5.4 Indicates the status (3)

Tightness 5.5 (3)

6.2 Paint and coating (4)

Temperature-resistant 6.3 (4)

6.6 Vibration resistance (4)

Durability 6.7 (4)

9 Type, Judgment principle results (11)

Appendix A tire pressure gauge type evaluation original record format (12)

Preview: page 2 of 4 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1413-2013

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 syllabus according to JJG927-2013 "tire pressure gauge" and QC/T 14-2009 "automotive wheel Tire barometer "of content requires compiled, it is possible to gauge the performance of the tire to make an 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.

Tire pressure gauge type evaluation outline

1 Scope

This outline is suitable for measuring a maximum of 0.6MPa ~ 2.5MPa, for measuring tire pressure gauge pointer and Pressure gauge (hereinafter referred to as gauge) for type approval.

2. References

This outline cited the following documents.

JJG927-2013 tire pressure gauge GB/T 2423.17-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Ka.

Salt

GB 4208-2008 shell protection (IP code) QC/T 14-2009 automotive tire gauges QC/T 727-2007 automobile, motorcycle instrument 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

Pressure gauge for measuring vehicle tire inflation pressure.

In accordance with its pressure gauge structural principle it can be divided into two types. one gauge pointer; the second is the scale pressure gauge.

Analog pressure gauge works as follows. the elastic sensing element within the gauge under pressure generated by elastic deformation Change, through mechanical transmission zoom mechanism, promote the pointer on the indexing plate indicates the pressure value.

Preview: page 3 of 4 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1413-2013

Chinastandards.org

Scale pressure gauge work Principle. generating moving plunger with a ruler under pressure, and stabilize at a certain position, this time scale it may indicate pressure value. Both types have a tire pressure gauge with gas nozzle head valve connection.

4 legal management requirements 4.1 units of measurement Unit of measurement gauge is Pa (Pascal), or its decimal multiples units. kPa and MPa.

4.2 accuracy class

Pressure gauge accuracy class selected from the following sequences. 1,1.6,2.5,4 and meet JJG927-2013 requirements.

4.3 legal metrology marking and measuring instruments logo it must be marked with signs and legal metrology measuring instruments logo and other significant parts of the gauge plate or panel, its logo and labeling must be clear, solid and reliable.

4.3.1 legal metrology mark

--- Measurement equipment manufacturing license logo and number (test prototype should stay out of the corresponding position);

Preview: page 4 of 4 shown, 19 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1413-2013