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

GB/T 1219-2008

Replacing GB/T 1219-2000

Dial gauges

指示表

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Foreword

This standard replaces GB/T 1219-2000 "Geometrical specification length measuring instruments. Indicators Design and metrological requirements" And GB/T 6311-2004 "dial-range." This standard and GB/T 1219-2000 and GB/T 6311-2004 The main changes are as follows:

- Increased indexing value 0.10mm, range does not exceed the requirements of 100mm instruction sheet;
- Removes the requirement indicator probe diameter δ_{max} and case diameter (GB/T 1219-2000 of Chapters 1 and Figure 1);
- Modify the length of the sleeve under the direction of the table $\geq 16mm$ $\geq 11mm$ (GB/T 6311-2004 Figure 1);
- Increases with the number of revolutions dial, the range of not more than 10mm, the index value of 0.01mm, 0.001mm, 0.002mm finger Table shows, when the number of revolutions in Integer pointer, the pointer from zero position requirements (this standard 5.4.6);
- Increased steel, carbide surface hardness and surface roughness probe quantitative requirements (Note 5.5 of this standard);
- Increasing the general case, the range of not more than 10mm instruction sheet of indecent spacing requirements (this standard 6.2);
- Increasing the range of no more than 3mm, 5mm, 10mm indexing instruction sheet value of 0.01mm full scale requirements (this standard Table 2);
- Increasing the range of no more than 1mm, 3mm, 5mm, 10mm indexing value 0.002mm instructions table full scale requirements (this Standard Table 2);
- Modify the tolerance of 1/10 into any 0.1mm, 1/2 into any 0.5mm, 1 into any 1mm, 2 into any 2mm (GB/T 1219-2000

5.8 Table 2; Table 2 of this standard);

--- Increasing the tolerance of any 0.02mm, any 0.05mm, 0.2mm any requirements (Table 2 of this standard);

--- Increasing the test instruction sheet precision measuring instruments accuracy requirements (this standard 6.1);

1 Scope

GB/T 1219-2008 is the Chinese national standard on dial gauges, in the field of metrology and measurement. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 February 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2008. Classification: ICS 17.040.30, CCS J42. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions, and basic parameters of the instruction sheet form, requirements, and other test methods, marking and packaging. This standard applies to indexing is 0.10mm, 0.01mm, range of not more than 100mm; indexing is 0.002mm, the range does not exceed Over 10mm; indexing is 0.001mm, the range of not more than 5mm instruction sheet.

Note. Indexing is 0.10mm instruction sheet, also known as the very table; indexer is 0.01mm instruction sheet, also known as dial; indexing is 0.001mm And 0.002mm instruction sheet, also known as micrometer.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether to use the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 17163 dimensional measuring instruments - Basic terminology

GB/T 17164 dimensional measuring instruments - Product terms

3 Terms and Definitions

GB/T 17163, GB/T 17164 and established in the following terms and definitions apply to this standard.

- 3.1 It indicates the position of the spindle in a free state.
- 3.2 Poor indicator spindle moving upper and lower limits of the range.
- 3.3 Can be anywhere within the measuring range is set to zero.
- 3.4 Limits specified by the error indicator for the technical specifications, rules.

4 Form and basic parameters

- 4.1 indicates the form shown in Figure 1. Illustration illustration purposes only and does not indicate a detailed structure. Dimensions and with the size indicator
- 4.2 should meet the requirements of Figure 1.