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JJG

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

JJG 960-2012

Replacing JJG 960-2001

**Verification Regulation of Level Verification System
(English Translation)**

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Introduction

JJG 425 "level", JJG 8 "level scale" and JJG 960 "level test device" together constitute a large Measures for the measurement of the leveling of instruments.

JJG 960-2012 "Level Verification Device" is written in JJF1002-2010 "National Metrological Verification Regulation the JJG 960-2001 "Level Verification Device" is revised on the basis of the rules and basis. versus JJG 960-2001 "level test device" compared to the editorial changes in the main technical changes are as follows.

--- JJG 425-1994 "Level" and JB/T 7399-1994 "Parallel light pipe" are cited in the literature.

Metrological performance requirements increase the i-angle micrometer indication error requirements, easy to improve the accuracy of the test;

Cancel the parallel light pipe focal length and scale instructions error requirements.

- The range of measurement of the level calibrator has been modified in the procedure.
- the calibration method, the level of deviation for the automatic Anping and self-collimation of these two devices were done Introduction.
- In Appendix B, an automatic ampere-type verification device is introduced for the use of the device itself.

Number, only the level of the pedal to complete the test method.

Level Verification Device

1 Scope

This procedure applies to all types of level test device of the first test, follow-up inspection and use of inspection.

2 Overview

Level measuring device is a kind of measuring device which can produce a horizontal line and can realize multi-target Mainly used for level calibration or calibration. According to the structure it can be divided into automatic Anping (see Figure 1) and self-collimation (see Figure

2), according to the level of deviation of its accuracy can be divided into 1, 2 and 3.

Figure 1 Schematic diagram of automatic Anping level tester

1 - automatic Anping parallel light tube; 2 - was seized level

Figure 2 from the collimation level level test device diagram

1 - parallel light tube; 2 - seized level

3 Measurement performance requirements 3.1 i angle micrometer indication error i angle micrometer indication error requirements in Table 1.

3.2 flat panel microcomputer indication error Flat plate microcomputer indication error requirements in Table 1.

3.3 micro tilting table indication error Micro tilting table indication error requirements see Table 1.

3.4 Horizontal alignment compensator compensation error Horizontal line compensator compensation error requirements in Table 1.