Chinastandards.org

ICS 17.100

JJF

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

JJF 1420-2013

Program of Pattern Evaluation of Sphygmomanometers

血压计和血压表型式评价大纲

(English Translation)

Issued on: July 4, 2013 **Implemented on: October 4, 2013**

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

Preview: page 1 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1420-2013

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 The maximum permissible error (1)

4.3 Legal metrology marking and identification of measuring instruments (1)

4.4 Design of the external structure (1)

4.5 Experimental Prototype (2)

4.6 Submit technical data (2)

5 Measurement requirements (2)

5.1 Zero error (2)

4.1 Units of measurement (1)

4.2 The maximum permissible error (1)

5.1 Zero error (2)

Sensitivity sphygmomanometer 5.2 (2) Tightness 5.3 (2)

9 Type, Judgment principle results (7)

Appendix A sphygmomanometer blood pressure table type evaluation and the original record format (8)

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 JJG270-2008 "sphygmomanometer blood pressure meter" and GB 3053-1993 "sphygmomanometer and blood pressure

Preview: page 2 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1420-2013

Table "of content requires compiled, performance can sphygmomanometer blood pressure table and 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.

Sphygmomanometer and blood pressure table type evaluation outline

1 Scope

This outline is applied (desktop and vertical) mercury sphygmomanometer (hereinafter referred to as sphygmomanometer) and elastic blood pressure table (to Hereinafter referred to as blood pressure table) the type evaluation.

2. References

This outline cited the following documents.

JJG270-2008 sphygmomanometer and blood pressure table GB 3053-1993 and sphygmomanometer blood pressure table 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

Sphygmomanometer blood pressure table and the hospital or home blood pressure was observed using the indirect method of measuring instruments.

Sphygmomanometer working principle is based on the principle of hydrostatic equilibrium, by the communication unit of the mercury reservoir bottle and the indication tube communicating, when After the mercury storage bottle mercury surface pressure, forcing indication within the mercury rises indicating that the pressure value.

It works blood pressure table is based on Hooke's law, under the test pressure, forcing the elastic sensing element (elasticity Diaphragm) to produce the corresponding elastic deformation (displacement), by means of a connecting rod, shaft drive through a gear transmission mechanism and be Amplified by a fixed gear shaft pointer to the measured pressure value indicated on the index plate.

4 legal management requirements 4.1 units of measurement Sphygmomanometer and blood pressure tables should "kPa and mmHg" dual scale.

4.2 The maximum permissible error Sphygmomanometer blood pressure table and the maximum permissible errors shall be JJG270-2008 regulations.

4.3 legal metrology marking and measuring instruments logo 4.3.1 legal metrology signs

Preview: page 3 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1420-2013

Chinastandards.org

generally include the following.

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

--- Instrument type approval symbol and serial number (test prototype should stay out of the corresponding position; this entry is not mandatory);

--- Product quality stamps certificate (this can be provided separately from the body and measuring instruments).

4.3.2 sphygmomanometer blood pressure table identifies generally include the following.

--- Name, size (model), manufacturer's name or trademark;

--- The maximum permissible error;

--- Instrument number and manufacturing date or batch number.

4.4 Design of the external structure

Preview: page 4 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1420-2013