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

GB/T 22264.4-2022

Replacing GB/T 22264.4-2008

**Mounted digital display electric measuring instruments - Part 4:
Special requirements for frequency meters**

安装式数字显示电测量仪表 第4部分：频率表的特殊要求

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4.1 Category	1
4.2 Class	1
4.3 Compliance with the requirements of this document	1
5 Technical requirements	2
5.1 Standard power value	2
5.2 Reference conditions and basic errors	2
5.3 Nominal service range and change	2
5.4 Security requirements	3
5.5 Electrical requirements	3
5.6 Accuracy performance requirements	4
5.7 Electromagnetic Compatibility	5
5.8 Structural requirements	5
5.10 Reliability	5
6 Information, general signs and symbols	5
7 Inspection rules	5
4 Table A.1 Test items and recommended sequence.....	6

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. This document is part 4 of GB/T 22264 "Mounted Digital Display Electrical Measuring Instruments". GB/T 22264 has issued the following part.

1. Definitions and general requirements;
2. Special requirements for ammeters and voltmeters;
3. Special requirements for power meters and reactive power meters;
4. Special requirements for frequency tables;

5.Particular requirements for phase meters and power factor meters;

6.Special requirements for insulation resistance meters;

7.Special requirements for multi-function instruments;

8.Test methods. This document replaces GB/T 22264.4-2008 "Mounted Digital Display Electrical Measuring Instruments Part

4.Special Requirements for Frequency Meters Compared with GB/T 22264.4-2008, except for structural adjustment and editorial changes, the main technical changes are as follows:

--- Changed the scope and added "This document is applicable to newly manufactured AC 690V and below, with a nominal frequency of 50Hz or Installed digital display frequency meter for measuring frequency in power distribution system" (see Chapter 1, Chapter 1 of the.2008 edition).

--- Deleted the frequency table definition (see 3.1 of the.2008 edition).

1 Scope

GB/T 22264.4-2022 is the Chinese national standard on mounted digital display electric measuring instruments - part 4: special requirements for frequency meters, 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 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2023. Classification: ICS 17.220.20, CCS N 23. 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 document specifies the product classification, classification and conformity, technical requirements, information, general signs and symbols for mounted digital display frequency meters. No., inspection rules and packaging, storage and transportation. This document is applicable to the installation of measuring frequency in the newly manufactured power distribution system with AC below 690V and nominal frequency of 50Hz or 60Hz. Installed digital display frequency meter is also suitable for the digital display part of the frequency meter with analog/digital dual display. This document does not apply to.

--- Frequency table with only direct acting analog indication;

---Portable digital display frequency meter;

---Another national standard (or industry standard) special-purpose frequency table.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 22264.1-2022 Mounted digital display electrical measuring instruments Part

3 Terms and Definitions

The following terms and definitions defined in GB/T 22264.1-2022 apply to this document.

3.1 Digital display meter for measuring frequency.

Note. Hereinafter referred to as instrument.

4 Product classification, classification and conformity

4.1 Classification It should meet the requirements of 4.1.5~

4.1.9 in GB/T 22264.1-2022.

4.2 Grading Recommended accuracy grade indices. 0.02, 0.05, 0.1, 0.2, 0.5.

4.3 Compliance with the requirements of this document It shall meet the provisions of

4.3 in GB/T 22264.1-2022.