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

GB/T 22264.3-2022

Replacing GB/T 22264.3-2008

**Mounted digital display electric measuring instruments - Part 3:
Special requirements for wattmeters and varmeters**

安装式数字显示电测量仪表 第3部分：功率表和无功功率表的特殊要求

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Standardization Administration of China**

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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 the third part 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 22264.3-2008 "Mounted Digital Display Electrical Measuring Instruments Part 3.Power Meters and Reactive Power Meters Special Requirements". Compared with GB/T 22264.3-2008, except for structural adjustment and editorial changes, the main technical changes are as follows:
 - Increased scope of application limits (see Chapter 1, Chapter 1 of the.2008 edition);
 - Increased the standard power value (see 5.1);
 - Changed the content of reference conditions and allowable deviations (see 5.2.1,

1 Scope

GB/T 22264.3-2022 is the Chinese national standard on mounted digital display electric measuring instruments - part 3: special requirements for wattmeters and varmeters, 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 compliance, technical requirements, information, communication Use signs and symbols, inspection rules and packaging, storage and transportation. This document applies to newly manufactured power distribution systems below 750V DC and 690V AC with a nominal frequency of 50Hz or 60Hz. Installed digital display power meter and reactive power meter for measuring power in the system, also suitable for power meter and reactive power meter with analog/digital dual display The digital display part of the power meter. This document does not apply to.

- Power meters and reactive power meters with direct acting analog indication only;

---Portable digital display power meter and reactive power meter;

---There are also special-purpose power meters and reactive power meters of national standards (or industry standards).

Note. "Instrument" in this document refers to digital display power meter and digital display reactive power meter.

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 A digital display meter for measuring power.

3.2 Digital display instrument for measuring reactive power.

4 Product classification, classification and conformity

4.1 Classification It shall comply with the provisions in

4.1 of GB/T 22264.1-2022.

4.2 Grading Recommended accuracy classes. 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2.