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

GB/T 22264.8-2022

Replacing GB/T 22264.8-2009

**Mounted digital display electric measuring instruments - Part 8:
Test methods**

安装式数字显示电测量仪表 第8部分：试验方法

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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 part 8 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 22264.8-2009 "Mounted digital display electrical measuring instruments - Part

8. Recommended test methods", and Compared with GB/T 22264.8-2009, 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 DC 750V and AC 690V and below, the nominal frequency is Measuring ammeter and voltmeter, wattmeter and reactive power meter, frequency meter, phase meter in 50Hz or 60Hz power distribution system and power factor meter, insulation resistance meter, and any combination of two or more multifunctional instruments, also suitable for analog/digital Digital display portion of a dual display electrical measuring instrument. "(see Chapter 1, see Chapter 1 of the.2009 edition);

--- Increased the standard power value (see 4.1);

---Change "change caused by ambient humidity" to "change caused by relative humidity (no condensation)" and "humidity setting 93%" For "humidity setting 95%" (see 7.2.2,

1 Scope

GB/T 22264.8-2022 is the Chinese national standard on mounted digital display electric measuring instruments - part 8: test methods, 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 general test conditions, measuring equipment, samples, test procedures, and test data processing of installed digital display electrical measuring instruments. Reasoning and test reports. This document applies to newly manufactured power distribution systems below 750V DC and 690V AC with a nominal frequency of 50Hz or 60Hz. Measuring ammeter and voltmeter, wattmeter and reactive power meter, frequency meter, phase meter and power factor meter, insulation resistance meter and any two The multi-function instrument with combination of two or more types is also applicable to the digital display part of the electrical measuring instrument with analog/digital dual display.

Note

1.The above-mentioned "in the power distribution system below DC 750V" does not apply to the frequency meter, phase meter and power factor meter. This document does not apply to.

--- Electric measuring instruments with direct acting analog indication only;

--- Portable digital display electrical measuring instrument;

--- There are other special-purpose instruments with national standards (or industry standards). Note

2.This document does not specify the dimensional requirements of the instrument, see GB/T 1242-2000 for the dimensional requirements of the instrument.

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 2423.1-2008 Environmental testing for electrical and electronic products - Part