

ICS 17.220.20

CCS N 22



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

GB/T 17215.311-2008

Replacing GB/T 15283-1994

**Electricity metering equipment (a.c.) -- Particular Requirements
-- Part 11: Electromechanical meter for active energy
(classes 0.5, 1 and 2)**

交流电测量设备 特殊要求 第11部分：机电式有功电能表（0.5、1和2级）
(English Translation)

Issued on: June 30, 2008

Implemented on: January 1, 2009

Issued by: Standardization Administration of China

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Foreword

The partial modification of the use of IEC 62053-11:2003 "electrical measuring equipment (AC) - Particular requirements Part 11. Electromechanical meters for active energy

Table (0.5, 1 and 2) ", this part of the GB/T 17215.211-2006" AC measuring equipment General requirements, tests and test strips Member Part 11. Measuring Device "together constitute electromechanical energy meter type test requirements.

This Part replaces GB/T 15283-1994.

This section (including General requirements) and the main difference between GB/T 15283-1994 are as follows.

--- Clear and standardized product name. electromechanical meter.

--- Clear classification and the use of environmental requirements, increasing the test content.

--- Increase the mechanical performance requirements.

--- The assessment of the error range of direct access to the meter and access via the transformer meter (current) were prescribed.

--- Consider China's actual situation and ease of use of a pulse output function electromechanical meter pulse in Appendix A Output means given requirements.

This section in Appendix A and Appendix B is an informative annex. The recommended test sequence given in Appendix B.

This part is proposed by China Machinery Industry Federation.

This part of the National Electrical Instrument Standardization Technical Committee.

This section is drafted. Harbin Electrical Instrument Research Institute, Zhejiang Chint Instrument Co., Ltd., State Grid Corporation of Shandong Electric Force Research Institute, Samsung Electronics Co., Ltd. Ningbo, Holley Instrument Corporation, Shenzhen Clou Electronics Technology Co., Ltd., Hangzhou, China Long Electronic Technology Co., Ltd. Changsha Weisheng, Delixi Group, Beijing Intelligent Instrument Co., Ltd. Gulf.

Introduction

Menu is also applicable to one or more work or more indicators and a test output. If the meter has a measuring element to measure one on power (multi-power meter), or when other functional elements, such as maximum demand indicators, electronic tariff counters and time switches, ripple control Receivers, data communication interfaces, etc. are enclosed in the meter case, of course, these elements have to apply the relevant standards, this standard applies only to Metering section.

This section does not apply to.

- a) terminal voltage across more than 600V (polyphase meter of line to line voltage) of the instrument;
- b) Portable instruments;
- c) instrument counters and data interface.

Acceptance inspection in accordance with GB/T 3925-1983 "2.0 grade AC power meter inspection method" (eqv IEC 60514. 1975) group given this policy.

Reliability accordance with the contents of IEC 62059 "AC measuring equipment reliability" series of documents.

2 Normative references

The following documents contain provisions which, through reference GB/T 17215 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3925-1983 2.0 grade AC power meter inspection method (eqv IEC 60514. 1975)

GB/T 11150-2001 energy meter testing device (neq IEC 60736. 1982) GB Part 11/T 17215.211-2006 AC measuring equipment General requirements, tests and test conditions. measuring equipment (IEC 62052-11:2003, IDT)

3 Terms and Definitions

GB/T 17215.211-2006 in Chapter 3 of the terms and definitions apply to this section.

4 Standard power value

The provisions of GB/T 17215.211-2006 Chapter 4 values \u200b\u200bapply to this section.

5 Mechanical requirements

In addition to the mechanical requirements of GB/T 17215.211-2006 in Chapter 5, the instrument shall meet the following requirements.