

ICS 25.040.40; 33.100; 17.220
CCS N 10



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

GB/T 18268.24-2010

**Electrical equipment for measurement, control and laboratory use -- EMC requirements --
Part 24: Particular requirements -- Test configurations, operational conditions and
performance criteria for insulation monitoring devices according to IEC 61557-8 and**

测量、控制和实验室用的电设备 电磁兼容性要求 第24部分：特殊要求 符合IEC 61557-8的绝缘监控装置和符合IEC 61557-9的绝缘故障定位设备的试验配置、工作条件和性能判据

(English Translation)

Issued on: January 14, 2011

Implemented on: May 1, 2011

Issued by: Standardization Administration of China

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Foreword

GB/T 18268 "for measurement, control and laboratory use EMC requirements for electrical equipment" consists of the following components.

--- Part 1. General requirements

--- PART 21. Particular requirements for electromagnetic compatible test configuration with a protective case sensitivity test and measurement equipment, working conditions and performance criteria

--- Part 22. Particular requirements for low-voltage distribution systems with a portable test, measuring and monitoring equipment test configuration, working conditions and Performance criteria

--- Part 23. Particular requirements Test configurations with integrated or remote signal conditioning transmitter, working conditions and performance criteria

--- Part 24. Particular requirements for compliance with IEC 61557-8 insulation monitoring device and comply with IEC 61557-9 insulation faults fixed Test configuration bits of equipment, working conditions and performance criteria

--- Part 25. Particular requirements for interface conforms to IEC 61784-1, the test configuration of field devices CP3/2, working conditions and sexual Energy criterion

--- Part 26. Particular requirements for in vitro diagnostic (IVD) medical equipment

--- Part 31. execution or ready to perform safety functions (functional safety) equipment immunity requirements for general industrial applications

--- Part 32. perform or ready to perform safety functions (functional safety) equipment immunity requirements specified electromagnetic environment Industrial applications this part of GB/T 18268 of Part 24.

This section identical with IEC 61326-2-4:2006 (first edition) Electrical equipment compatibility requirements "for measurement, control and laboratory use Part 2-4. Particular requirements for insulation monitoring devices meet the IEC 61557-8 and IEC 61557-9 compliance with insulation fault location device the test configuration, operating conditions

and performance criteria. " this section is equivalent translation IEC 61326-2-4:2006.

This section based on GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and writing rules" and GB/T 20000.2-2001. the relevant provisions of "Standardization Guide Part 2 rules of international standards," the editorial the following modify.

- Remove the foreword and introduction of international standards;
- "IEC 61326 this part" to "GB/T 18268 in this section";
- Original language reference guide documents according to the provisions of GB/T 1.1-2000 changed to normative documents referenced introductory phrase;
- With a decimal point "." Instead of a comma as the decimal point "." International standards used in this part, the additional content of each chapter are used special numbers such as 3.101,5.3.101,6.1.101, so as to Show the difference. This section is identical with the light of international standards, consistent with international standards, this section does not make changes.

This part is proposed by China Machinery Industry Federation.

This part of the measurement and control of Standardization Technical Committee (SAC/TC124) is administered by the National industrial processes.

This section is responsible for drafting unit. Shanghai Institute of Industrial Automation Instrumentation.

Participated in the drafting of this section. Shanghai Automation Instrumentation System Inspection and Testing Institute, Fujian on the Run Precision Instrument Co., Ltd.

1 Scope

GB/T 18268.1 Chapter 1 apply to this section and attach the following.

GB/T 18268 in this section than the GB/T sets out in more detail the following test configuration uses the equipment, working conditions and sexual 18268.1 Energy criterion.

- In line with the IEC 61557-8 Insulation monitoring device;
- In line with IEC 61557-9 for insulation fault location equipment.

This section applies to insulation monitoring device permanently or semi-permanently connected to the distribution system and insulation fault location equipment.

2 Normative references

The following documents contain provisions which, through reference GB/T 18268 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 18268.1 Chapter 2 apply to this section and attach the following.

GB 4824 industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement (GB 4824-2004, CISPR11:2003, IDT) GB/T 17626.2 Electromagnetic compatibility Testing and measurement techniques - Electrostatic discharge immunity test (GB/T 17626.2-2006, IEC 61000-4-2:2001, IDT) GB/T 17626.3 electromagnetic compatibility test and measurement technology RFEMS test (GB/T 17626.3-2006, IEC 61000-4-3:2002, IDT) GB/T 17626.4 Electromagnetic compatibility Testing and measurement techniques - Electrical fast transient burst immunity test (GB/T 17626.4-2008, IEC 61000-4-4:2004, IDT) GB/T 17626.5 electromagnetic compatibility test and measurement technology surge (impact) immunity test (GB/T 17626.5-2008, IEC 61000-4-5:2005, IDT) GB/T 17626.6 electromagnetic compatibility test and measurement technology RF field induced immunity to conducted disturbances (GB/T 17626.6-2008, IEC 61000-4-6:2006, IDT) GB/T 17626.8 Electromagnetic compatibility Testing and measurement techniques - Power frequency magnetic field immunity test (GB/T 17626.8-2006, IEC 61000-4-8:2001, IDT) GB/T 17626.11 Electromagnetic compatibility Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests (GB/T 17626.11-2008, IEC 61000-4-11:2004, IDT) Electrical equipment EMC requirements - Part GB/T 18268.1-2010 measurement, control and laboratory use 1. General requirements (IEC 61326-1:2005, IDT)