

ICS 17.220
CCS M 72

SN

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

SN/T 1843.4-2014

Replacing SN/T 0731-1997

**Rules for the inspection of electrical equipment for
measurement, control, and laboratory use for import and
export. Part 4: Insulation resistance meter**

进出口测量、控制和实验室用电气设备检验规程 第4部分：绝缘电阻表
(English Translation)

Issued on: April 9, 2014

Implemented on: November 1, 2014

Issued by: General Administration of Customs

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

SN/T 1843 "Importers measurement, control and laboratory inspection of electrical equipment" is divided into the following four parts.

- Part 1. General requirements;
- Part 2. Static AC power meter;
- Part 3. Analog/digital multimeter;
- Part 4. Insulation resistance meter.

This section SN/T 1843 Part 4.

This section drafted in accordance with GB/T 1.1-2009 given rules.

Some elements of this document may involve patents, the issuing authority of this document does not assume responsibility for the identification of these patents.

The partial replacement of SN/T 0731-1997 "exit insulation resistance meter testing procedures", this section compared with SN/T 0731-1997, the main to be amended as follows.

- "Chapter 1" and adjust the scope of application, apply only to the expansion of the insulation resistance meter Analog and Digital to Analog absolutely Insulation resistance table.
- "5.1 Supervision Mode Selection" added type test mode, sampling mode, and compliance verification mode three Test mode.
- "5.4 sampling and testing out of the box" in the adjustment of the test content, test methods and technical requirements, delete appearance, packaging and location Impact of the project, increasing the consistency check, increase applies to digital insulation resistance meter drop voltage projects, increase digital insulation Test methods ohmmeter basic error.

This section proposed and managed by the National Certification and Accreditation

Administration Committee.

1 Scope

SN/T 1843 provisions of this part of the measurement range is not more than 500Gohm, rated voltage of 10kV or less Yamaguchi insulation resistance meter Sampling, testing and the results of determination.

Scope of this section.

--- Indicating analogue of formula (pointer) Insulation resistance meter;

--- Digital insulation resistance meter.

This section does not apply to special purpose and its requirements and provisions of this Part of the insulation resistance is measured with different instruments (such as explosion-proof insulation Stop the table, etc.).

2 Normative references

The following documents for the application of this document is essential, dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2828.1 Sampling procedures for inspection - Part 1. batch inspection sampling plan according to accepted quality limit (AQL) retrieval GB 4793.1-2007 measurement, control and laboratory safety requirements for electrical equipment - Part 1. General requirements GB 4793.5 measurement, control and laboratory safety requirements for electrical equipment - Part 5. electrical measurement and test using a handheld probe Safety requirements for assembly GB 6738-1986 Safety requirements for electrical measurement indicating and recording instruments and their accessories GB/T 7676.1-1998 Direct acting indicating analogue electrical measuring instruments and their accessories - Part 1. Definitions and general requirements GB/T 7676.6 Direct acting indicating analogue electrical measuring instruments and their accessories - Part 6. Resistance meter (impedance meters) and conductance meters special requirements GB/T 7676.9 Direct acting indicating analogue electrical measuring instruments and their accessories Part 9. Recommended test methods GB/T 18268.1 measurement, control and laboratory use EMC requirements for electrical equipment Part 1. General requirements DL/T 845.1-2004 resistance measurement devices General Part 1. electronic insulation resistance meter JB/T 9290-1999 insulation resistance meter JJG1005-2005 electronic insulation resistance meter testing procedures the basic provisions of SN/T 0002.1 Electromechanical Import and Export Commodity Inspection procedures prepared

3 Terms and Definitions

GB 4793.1, GB 6738, GB/T 7676.1 and SN/T 0002.1 and define the following terms and definitions apply to this document.

Inspection Lot to carry out the inspection and collection of the same specifications, models, produced under the same conditions of production per unit of product, referred to as batch.