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# JJF 1701.3-2019

# Program of Pattern Evaluation of Instrument Transformers--Part 3: Inductive Voltage Transformers

测量用互感器型式评价大纲 第3部分：电磁式电压互感器

**(English Translation)**

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Preview: page 1 of 4 shown, 39 in the full document. Complete English PDF, instant download:
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# Table of Contents

Introduction (III)
1 Scope (1)
2 References (1)
3 Terminology (1)
3.1 Routine test (2)
4 Overview (2)
5 Legal management requirements (2)
5.1 Unit of measurement (2)
5.2 External structure (2)
5.3 Logo (2)
5.4 Submitted technical materials (3)
6 Measurement requirements (3)
6.1 Accuracy level (3)
6.2 Measurement interval (3)
6.3 Winding polarity (3)
6.4 Error limits (4)
7 General technical requirements (4)
7.1 Operating environmental conditions (4)
7.2 Appearance and structure (4)
7.3 Technical requirements (5)
8 List of Type Evaluation Items (12)
9 Provide the number of prototypes and how to use them (13)
9.1 General requirements (13)
9.2 Number of prototypes provided (13)
9.3 How to use the prototype (14)
10 Test methods and conditions of test items, data processing and qualification criteria (14)
10.1 General test conditions (14)
10.2 Inspection of signs (15)
10.3 Primary power frequency withstand voltage test (16)
10.4 Partial discharge measurement (18)
10.5 Secondary-end power frequency withstand voltage test (20)



Preview: page 2 of 4 shown, 39 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jjf-1701-3-2019

10.6 Inter-segment power frequency withstand voltage test (20)
10.7 Measurement of excitation characteristics (21)
10.8 Capacitance and dielectric loss factor measurement (22)
10.9 Accuracy test (24)
10.10 Insulation oil performance test (26)
10.11 Gas dew point measurement (29)
10.12 Temperature rise test (29)
10.13 Primary end impact pressure test (32)
10.14 Wet test of outdoor type transformer (34)
10.15 Radio interference voltage (RIV) test (35)
10.16 Inspection of enclosure protection level (37)
10.17 Sealing performance test at ambient temperature (38)
10.18 Pressure test (applicable to gas-insulated products) (40)
10.19 Short circuit withstand capability test (41)
11 Table of measuring instruments and equipment used in the test project (43)
Appendix A Type Evaluation Record Format (44)
Appendix B Type Evaluation Report Format (46)
Appendix C Format of "Description" for Type Evaluation and Preservation Prototype

## 11 Table of measuring instruments and equipment used in the test project (43)

Appendix A Type Evaluation Record Format (44)

Appendix B Type Evaluation Report Format (46)

Appendix C Format of "Description" for Type Evaluation and Preservation Prototype

## Introduction

This outline is based on JJF 1016-2014 "Guidelines for the Compilation of Outlines for Measuring Apparatus Type Evaluation", JJF 1015-2014 Compiled in accordance with the requirements of the "General Specification for Type Evaluation of Measuring Instruments".

This outline is published for the first time.

Outline of type evaluation for measuring transformer Part 3: Electromagnetic voltage transformer

1 Scope



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This outline is applicable to the type evaluation of measuring voltage transformers with classification code 15281000 for measuring instruments.

This outline is suitable for power supply gas measurement and use, the frequency is 50Hz, the rated secondary voltage is 100V or 100/3V Electromagnetic voltage transformer.

2 Reference documents the outline cited the following documents.

JJG314 measuring voltage transformer GB/T 156 standard voltage GB/T 311.1 Insulation coordination Part 1: Definitions, principles and rules GB/T 2423.23 Environmental Test Part 2: Test Method Test Q. Seal GB/T 3954 Electrician round aluminum rod GB/T 4208 enclosure protection level (IP code) GB/T 4756 Manual sampling method of petroleum liquid GB/T 5585.1 Copper, aluminum and its alloy busbars for electrical purposes Part 1: Copper and copper alloy busbars GB/T 5832.2 Determination of trace moisture in gas analysis Part 1: Dew point method GB/T 7354 Partial discharge measurement of high voltage test technology GB/T 7674 Gas insulated metal enclosed switchgear with rated voltage of 72.5kV and above GB/T 8905 Guidelines for gas management and detection in SF6 electrical equipment GB/T 11604 High-voltage electrical equipment radio interference test method GB/T 16927.1 High voltage test technology Part 1: General definition and test requirements GB/T 16927.2 High voltage test technology Part 2: Measurement system GB/T.20138 Protection level of electrical equipment shell against external mechanical collision (IK code) GB/T 20840.1-2010 Transformers Part 1: General technical requirements GB/T 20840.3-2013 Transformers Part 3: Supplementary technical requirements for electromagnetic voltage transformers IEC 60376 Sulfur hexafluoride (SF6) technical grade specification for electrical equipment JB/T 10433 three-phase voltage transformer DL/T 506 Insulation gas humidity measurement method in sulfur hexafluoride electrical equipment for dated reference documents, only the dated version applies to this specification; for those without date references the latest version (including all amendments) is applicable to this specification.

3 Terminology

The terms used in the documents cited in this outline and the following terms apply to this outline.



Preview: page 4 of 4 shown, 39 in the full document. Complete English PDF, instant download:
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