

JJF

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

JJF 1378-2012

**Program of Pattern Evaluation of Withstanding Voltage Testers
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 1970

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Introduction (III)	
1 Scope (1)	
2. References (1)	
3 Overview (2)	
4 Provides a review of the technical documentation and testing of prototypes (2)	
5 Legal management requirements (2)	
5.1 Units of measurement requirements (2)	
5.2 Accuracy requirements (3)	
5.3 Legal metrology marking and labeling requirements of measuring instruments (3)	
5.4 Installation marking requirements (3)	
6 Measurement requirements (3)	
6.1 Resolution (3)	
6.2 The maximum permissible error (3)	
6.3 Determine the maximum permissible error of reference conditions (4)	
6.4 Effect of the amount of (4)	
6.1 Resolution (3)	
6.2 The maximum permissible error (3)	
6.4 Effect of the amount of (4)	
Technical requirements 7 (5)	
9.9 Electromagnetic compatibility tests (22)	
Determination (22) 10 type of evaluation results	
10.4 Technical Data conclusions of the review (23)	
Total 10.5 Type evaluation conclusions (23)	
11 Original record format type evaluation (23)	
Appendix A list of key components (24)	
B pilot projects and recommended test sequence appendix (25) Appendix C type evaluation	

original record format (27)

Introduction

This outline is based on JJF 1015-2002 "Measuring Instruments type evaluation and type approval of universal norms" and JJF 1016-2009 "Measuring Instruments type evaluation outline guidelines for the preparation" Writing.

This outline gives performance evaluation withstand voltage tester meets the basic requirements of the standard test conditions and test method.

This outline is withstanding voltage tester type evaluation framework developed for the first time.

Withstand voltage tester type evaluation outline

1 Scope

The digital pattern evaluation outline is applied is not higher than the maximum output voltage of 15kV and display pointer exchange (Frequency), DC withstand voltage tester and DC withstand voltage tester type evaluation.

The outline of the type evaluation type evaluation is not available for Electrical Safety Tester withstand voltage test portion.

2. References

This outline cited the following documents.

GB/T 2421.1-2008 Environmental testing for electric and electronic products and Overview Guide GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat GB/T 2423.4-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test Db.

Alternating hot and humid (12h 12h cycle) GB/T 2423.5-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and Guidance. Shock GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc.

Vibration (sinusoidal) GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods Test N. temperature change GB/T 2423.43-2008 Environmental testing for electric and electronic products Part 2. Test methods for vibration, punch Install strike and similar dynamic tests of samples GB/T 2424.1-2005 Environmental testing for electric and electronic products of high temperature and low temperature tests GB/T 2424.2-2005 Environmental testing for electric and electronic products for damp heat tests GB 4793.1-2007 measurement, control and laboratory safety requirements for

electrical equipment - Part 1. General Claim GB/T 4796-2008 electric and electronic products Classification of environmental conditions - Part 1. Environmental parameters and their severities degree GB/T 4798.3-2007 application of electric and electronic products environmental conditions - Part 3. weather protected locations solid Constant use GB 4824-2004 industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and test Volume method GB/T 6113.101-2008 radio disturbance and immunity measuring apparatus and methods - Part 1-1 unit Score. radio disturbance and immunity measuring apparatus - Measuring apparatus GB/T 6587.6-1986 electronic measuring instruments test transport GB/T 6587.8-1986 electronic measuring instruments and power frequency voltage test