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

JJF 1653-2017

**Calibration Specification for Condenser Project Measurement
Microphones
(English Translation)**

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9 Re-school interval (15)

Appendix A Content and Format of Calibration Records (16)

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Introduction

This specification is based on the rules and formats given in JJF 1071-2010 "Rules for the preparation of national metrological calibration specifications".

The measurement and measurement uncertainty are evaluated according to the requirements of JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement.

Indicated.

This specification refers to the National Electronic Industry Standard SJ/T 10724-2013 "Specifications" and SJ/T 10725-2013 "Methods for the measurement of electroacoustic performance of electroacoustic condenser microphones".

This specification is the first release.

Capacitive Engineering Measurement Microphone Calibration Specification

1 Scope

This specification applies to the calibration of condenser engineering measurement microphones.

2 references

This specification refers to the following documents.

JJF 1001-2011 Universal Measurement Terms and Definitions JJF 1019-2007 working standard microphone (coupling cavity comparison method) JJF 1034-2005 Acoustic Measurement Terms Terms and Definitions JJF 1137-2005 Microphone Preamp Calibration Specification GB/T 2900.86-2009 Electrotechnical terms Acoustics and electroacoustics Frequently used frequencies in GB/T 3240 acoustic measurements GB/T 3785.1-2010 Electroacoustic sound level meter Part 1. Specification GB/T 3947-1996 Acoustic terms GB/T 15173 electroacoustic sound calibrator GB/T 20441.1-2010 Electroacoustic measurement microphones Part 1. Specification for laboratory standard microphones GB/T 20441.4-2006 Measurement microphones Part 4. Working standard microphone specifications SJ/T 10724-2013 General Specification for Electroacoustic Measurement Capacitor Microphones SJ/T 10725-2013 Electroacoustic measurement method for measuring the electroacoustic performance of a condenser microphone IEC 61094-6:2004

Measurement microphones - Part 6. Electrostatic exciter for measuring frequency response (Measurement microphones-Part 6.

Electrostatic actuators for determination of frequency response) for dated references, only dated editions apply to this specification; all undated references the latest version (including all amendments) applies to this specification.

3 Terms and units of measure

3.1 Terms and Definitions the following terms and definitions defined by JJF 1001-2011, JJF 1034-2005, and JJF 1059.1-2012 apply Used for this specification.

3.1.1 condenser microphone A microphone that works with changes in capacitance.

[GB/T 2900.86-2009, definition 801-26-13]

3.1.2 Engineering Measurement Microphone project measurement microphone Meet the sound level meter and sound pressure test system for electroacoustic performance and mechanical size requirements of the microphone. Its sensitivity is available Calibrate one of the following methods.