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**Single cell and stack performance test methods for solid oxide
fuel cells (SOFC)**

固体氧化物燃料电池单电池和电池堆性能试验方法
(English Translation)

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Table of Contents

Foreword	V.
1 Scope	
2 Normative references	
3 Terms, definitions and symbols	
3.1 Terms and definitions	
3.2 Symbol	
4 General safety conditions	
5 Cell/stack combination unit	
6 Test system	
6.1 Test subsystem in the system	
6.1.1 Overview	
6.1.2 Anode Gas Control Subsystem	
6.1.3 Cathode gas control subsystem	
6.1.4 Single battery/stack unit temperature control subsystem	
6.1.5 Output Power Control Subsystem	
6.1.6 Measurement and Data Acquisition Subsystem	
6.1.7 Security Subsystem	
6.1.8 Mechanical load control subsystem (mechanical load)	
6.1.9 Anode and cathode gas pressure control subsystem	
6.1.10 Test System Control Subsystem	
6.2 Test system control items of the maximum deviation	
7 Instruments and measurement methods	
7.1 Overview	
7.2 Instrument uncertainty	
7.3 Anode gas	
7.3.1 Anode gas flow	
7.3.2 Anode gas composition	
7.3.3 Anode gas temperature	
7.3.4 Anode gas pressure	
7.3.5 Anode tail gas flow	
7.3.6 Anode tail gas composition	
7.3.7 Anode tail gas temperature	

- 7.3.8 Anode tail gas pressure
- 7.4 Cathode gas
 - 7.4.1 Cathode gas flow
 - 7.4.2 Cathode gas composition
 - 7.4.3 Cathode gas temperature
 - 7.4.4 Cathode gas pressure
 - 7.4.5 Cathode tail gas flow
 - 7.4.6 Cathode tail gas composition
 - 7.4.7 Cathode tail gas temperature
 - 7.4.8 Cathode tail gas pressure
- 7.5 Output voltage
- 7.6 Output current
- 7.7 Cell/stack combination unit temperature
- 7.8 Mechanical load
- 7.9 Total Impedance
- 7.10 Environmental conditions
- 8 Test Preparation
 - 8.1 Overview
 - 8.2 Standard Test Conditions and Test Range
 - 8.3 Anode gas and cathode gas composition and impurities
 - 8.4 Test Procedure Basics
 - 8.5 Cell/stack combination of cell activation conditions confirmed
 - 8.6 Verification of stability criteria
 - 8.7 Data Acquisition Methods
- 9 Test Procedure
 - 9.1 Preparation
 - 9.2 Initial Activation
 - 9.3 Termination of testing
- Performance Testing
 - 10.1 Rated power test
 - 10.1.1 Purpose
 - 10.1.2 Test Method
 - 10.1.3 Results Report
 - 10.2 Current-voltage characteristic test
 - 10.2.1 Purpose

10.2.2	Test Method
10.2.3	Results report
10.3	Correlation Test of Effective Fuel Utilization
10.3.1	Purpose
10.3.2	Test Method
10.3.3	Results Report
10.4	Durability test
10.4.1	Purpose
10.4.2	Test Method
10.4.3	Results Report
10.5	Thermal Cycle Durability Tests
10.5.1	Purpose
10.5.2	Test Method
10.5.3	Results Report
10.6	Internal reforming performance test
10.6.1	Purpose
10.6.2	Test Methods
10.6.3	Results Report
10.7	Resistance Composition Verification Test
10.7.1	Purpose
10.7.2	Test Method
10.7.3	Results Report
11	Test Report
11.1	Overview
11.2	Report item
11.3	Test Cell Data Description
11.4	Description of test conditions
11.5	Test Data Description
11.6	Evaluation of Uncertainty
Appendix A	(informative) single cell/stack combination unit example
Appendix B	(Informative) Calculation of Effective Fuel Utilization
Appendix C	(Informative) Calculation of Effective Oxygen Utilization
Appendix D	(informative) IV characteristics of the maximum voltage hysteresis width
Appendix E	(Informative) Current-Voltage Characteristics Test at Constant Efficient Fuel Utilization

Appendix F (informative) test report (template)

Appendix G (Informative) Methods of Determining Instrument Uncertainty

References

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method identical with IEC TS62282-7-2:2014 "Fuel Cell Technology Part 7-2. Test Method Solid Body oxide fuel cell (SOFC) cell and stack performance test. " the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 5274-2008 preparation of gas mixture for gas analysis calibration method (ISO 6142:2001, IDT)

--- GB/T 5275.7-2014 Gas analysis Dynamic volume method for the preparation of calibration gas mixtures Part 7. Thermal mass flow Volume Controller (ISO 6145-7:2009, IDT)

--- GB/T 10628-2008 gas analysis calibration gas mixture composition determination and comparison test (ISO 6143:2001, IDT) Petroleum products and determination of sulfur content of hydrocarbon compounds Wickbold combustion method (ISO 4260).

1987, IDT)

--- GB/T 13277.1-2008 compressed air Part 1. Pollutant purification level (ISO 8573-1:2001, MOD)

--- GB/T 16839.1-1997 Thermocouple Part 1. Index table (idtIEC 60584-1.1995)

--- GB/T 16839.2-1997 Thermocouple Part 2. Tolerance (idtIEC 60584-2.1982)

--- GB/T 18404-2001 armored thermocouple cable and armored thermocouple (idtIEC 61515.1995)

--- GB/T 27759-2011 fluid flow measurement uncertainty assessment procedures (ISO 5168:2005, IDT)

--- GB/T 27894 (all parts) of natural gas under certain uncertainty by gas chromatography to determine the composition [ISO 6974 Some part)]

--- GB/T 28816-2012 Fuel Cell Terminology (IEC TS62282-1:2010, IDT) for ease of use, this standard made the following editorial changes.

--- Modify the standard name;

--- 10.7.3 added a note "typical solid oxide fuel cell negative impedance spectrum shown in