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General specification for linear accelerometers

线加速度计通用技术规范

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Table of Contents

Preface	III
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Technical requirements	4
4.1 Design requirements	4
4.2 General characteristic requirements	6
4.3 Performance requirements	7
4.4 Reliability Requirements	12
4.5 Environmental adaptability requirements	13
5 Test methods	14
5.1 Test conditions	14
5.2 General characteristics inspection	15
5.3 Performance requirements test	16
5.4 Reliability test	22
5.5 Environmental adaptability	22
6 Inspection Rules	25
6.1 Inspection categories	25
6.2 Identification and testing	25
6.3 Quality consistency inspection	28
7 Marking, packaging, transportation and storage	29
7.1 Signs	29
7.2 Packaging	29
7.3 Transport	29
7.4 Storage	29
Appendix A (Informative) Working Principle and Mathematical Model of Pendulum Linear Accelerometer	30
A.1 Complete mathematical model of pendulum linear accelerometer	30
A.2 Simplified model of pendulum linear accelerometer	31
Appendix B (Informative) Typical Field Line Accelerometer Product Characteristics	33
B.1 Typical linear accelerometer product features for aerospace applications	33
B.2 Typical linear accelerometer product characteristics for aviation applications	35

B.3 Product characteristics of typical linear accelerometers used in the marine field	37
B.4 Typical linear accelerometer product characteristics for vehicle applications.....	39
B.5 Typical linear accelerometer product characteristics for the oil field.....	40
B.6 Characteristics of Typical Linear Accelerometers for Geology.....	41
Appendix C (Informative) Linear Accelerometer Test Principle and Working Model.....	43
Appendix D (Informative) Linear Accelerometer Temperature Model.....	44
D.1 Accelerometer temperature model	44
D.2 Accelerometer temperature model matrix expression	44
Appendix E (Informative) Linear Accelerometer Centrifugal Model	45
E.1 Accelerometer Centrifugal Model	45
E.2 Accelerometer centrifugal correction model	45
References	46

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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General technical specifications for linear accelerometers

1 Scope

This document specifies the technical requirements, inspection rules and marking, packaging, transportation and storage of linear accelerometers, and describes the corresponding test methods.

This document is applicable to linear accelerometers used in aerospace, aviation, shipbuilding, vehicles, petroleum, geology and other fields.

2 Normative references

GB/T 191

GB/T 2423.1

GB/T 2423.2

GB/T 2423.3

GB/T 2423.5

GB/T 2423.15

GB/T 2423.16

GB/T 2423.17

GB/T 2423.21

GB/T 2423.22

GB/T 2423.27

GB/T 2423.56

GB/T 4937.18

GB/T 13983

GB/T 32304

GB/T 34522

3 Terms and definitions

The terms and definitions defined in GB/T 13983 and the following apply to this document.

3.1 Accelerometer

An inertial sensor that measures linear or angular acceleration.

3.2 Compare specific force

The vector sum of the inertial force and the gravitational force acting on unit mass.

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