ISO 8103-9:2022-02 (E)

Escalators and moving walks - Part 9: Measurement of ride quality

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Measuring instrumentation ... **3**
4.1 General ... 3
4.2 Characteristics ... 3
4.3 Processing of vibration data ... 4
4.4 Environmental effects ... 4
4.5 Sound measurement requirements ... 4
4.6 Calibration requirements ... 5
4.6.1 General ... 5
4.6.2 Vibration measuring system ... 5
4.6.3 Sound measuring system ... 5

5 Measuring and reporting ... **5**
5.1 General measuring conditions ... 5
5.2 General procedure ... 5
5.3 Vibration measurement ... 5
5.3.1 Special measuring conditions ... 5
5.3.2 Procedure for load carrying unit vibration measurement ... 6
5.3.3 Procedure for handrail vibration measurement ... 8
5.4 Sound measurement ... 10
5.4.1 General ... 10
5.4.2 Special measuring conditions ... 10
5.4.3 Microphone positions ... 10
5.4.4 Procedure for sound measurement ... 11
5.5 Reporting of results ... 12

Annex A (informative) **Ride quality corrected sound pressure estimation** ... **15**

Bibliography ... **17**