ISO 18233:2006-06 (E)

Acoustics - Application of new measurement methods in building and room acoustics

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms definitions and abbreviated terms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 2

4 Designations 2
4.1 Maximum length sequence method (MLS) 2
4.2 Swept-sine method (SS) 2

5 Theory 2
5.1 General 2
5.2 Sound in a room 3
5.3 Sound transmission between two rooms 5
5.4 Using the frequency response function 6

6 Measurement of the impulse response 7
6.1 General 7
6.2 Excitation signal 7
6.3 Measurement of the response 9

7 Measurement of the frequency response function 14

8 Precision 14

9 Test report 15

Annex A (normative) Maximum length sequence method 16

Annex B (normative) Swept-sine method 20

Bibliography 26