DIN EN ISO 3382-2:2008-09 (E)

Acoustics - Measurement of room acoustic parameters - Part 2: Reverberation time in ordinary rooms (ISO 3382-2:2008)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Measurement conditions 6
4.1 General 6
4.2 Equipment 7
4.3 Measurement positions 8

5 Measurement procedures 9
5.1 General 9
5.2 Interrupted noise method 9
5.3 Integrated impulse response method 10

6 Evaluation of decay curves 11

7 Measurement uncertainty 11
7.1 Interrupted noise method 11
7.2 Integrated impulse response method 12
7.3 Lower limits for reliable results caused by filter and detector 12

8 Spatial averaging 12

9 Statement of results 13
9.1 Tables and curves 13
9.2 Test report 13

Annex A (informative) Measurement uncertainty 14

Annex B (informative) Evaluation of non-linear decay curves 18

Annex C (informative) Formulas for the least-squares fit method 20

Bibliography 21