DIN EN ISO 10052:2021-11 (E)

Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method (ISO 10052:2021)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Single number quantities ... **12**

5 Instrumentation ... **13**

6 Test procedure and evaluation ... **13**
6.1 General ... 13
6.2 Generation of sound field ... 13
6.2.1 General ... 13
6.2.2 Airborne sound insulation between rooms ... 14
6.2.3 Impact sound insulation between rooms ... 14
6.2.4 Airborne sound insulation of façades ... 14
6.3 Measurement of sound pressure levels ... 15
6.3.1 Airborne and impact sound insulation between rooms ... 15
6.3.2 Heavy/soft impact sound insulation between rooms ... 16
6.3.3 Airborne sound insulation of façades ... 16
6.3.4 Service equipment sound pressure level ... 17
6.4 Frequency range of measurements ... 17
6.5 Reverberation index data ... 17
6.6 Precision ... 21

7 Expression of results ... **21**
7.1 Airborne sound insulation ... 21
7.2 Impact sound insulation ... 21
7.3 Service equipment sound pressure level ... 22

8 Test report ... **22**

Annex A (informative) **Forms for the expression of results** ... **24**

Annex B (normative) **Operating conditions and operating cycles for measuring the maximum sound pressure level and the equivalent continuous sound pressure level** ... **31**

Bibliography ... **38**