

DIN EN ISO 15186-3:2010-12 (E)

Acoustics - Measurement of sound insulation in buildings and of building elements using sound intensity - Part 3: Laboratory measurements at low frequencies (ISO 15186-3:2002)

Contents

Page

Foreword	3
1 Scope	4
1.1 General	4
1.2 Precision	4
2 Normative references	4
3 Terms and definitions	5
4 Instrumentation	7
4.1 General	7
4.2 Calibration	8
5 Test arrangement	8
5.1 Rooms	8
5.2 Test specimen	8
5.3 Mounting conditions	9
6 Test procedure	9
6.1 General	9
6.2 Generation of sound field	9
6.3 Measurement of the average sound pressure level over the surface of the test specimen in the source room	9
6.4 Measurement of the average sound intensity level on the receiving side	10
6.5 Background noise	12
6.6 Frequency range of measurements	13
7 Expression of results	13
8 Test report	13
Annex A (normative) Qualification	14
Annex B (informative) Estimated precision of the method	16
Bibliography	17