ISO 6926:1999-12 (E)

Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power leve ls

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Measurement uncertainty 4

5 Performance requirements 5
5.1 General 5
5.2 Temporal steadiness and repeatability of sound power output 5
5.3 Total broad-band sound power level 5
5.4 Spectral characteristics 5
5.5 Directivity index 6
5.6 Recalibration 6

6 Installation and operation of the reference sound source during calibration 6
6.1 General 6
6.2 Position of the reference source 7

7 Calibration procedure in hemi-anechoic rooms 7
7.1 Test environment 7
7.2 Microphone 7
7.3 Microphone positions 7
7.4 Measurements 8
7.5 Air absorption 8
7.6 Calculations 8

8 Calibration procedure in reverberation rooms 9
8.1 Test environment 9
8.2 Microphone 9
8.3 Microphone positions 9
8.4 Measurements 9
8.5 Calculations 9

9 Information to be recorded 10

10 Information to be reported 10

Bibliography 11