DIN EN ISO 3743-1:2011-01 (E)

Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 1: Comparison method for a hard-walled test room (ISO 3743-1:2010)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Test room and size of noise source under test 10

5 Instrumentation and measurement equipment 11

6 Definition, location, installation, and operation of noise source under test 12

7 Measurement procedure 14

8 Determination of sound power levels and sound energy levels 16

9 Measurement uncertainty 20

10 Information to be recorded 23

11 Test report 25

Annex A (normative) Sound power level and sound energy level under reference meteorological conditions 26

Annex B (normative) Calculation of A-weighted sound power levels and A-weighted sound energy levels from octave band levels 28

Annex C (informative) Guidelines on the development of information on measurement uncertainty 30

Bibliography 39

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC 41