ISO 10534-2:1998-11 (E)

Acoustics - Determination of sound absorption coefficient and impedance in impedance tubes - Part 2: Transfer-function method

Contents

Page

1 Scope 1

2 Definitions and symbols 1

3 Principle 3

4 Test equipment 3

5 Preliminary test and measurements 7

6 Test specimen mounting 8

7 Test procedure 9

8 Precision 13

9 Test report 14

Annexes

A Preliminary measurements 15

B Procedure for the one-microphone technique 20

C Pressure-release termination of test sample 21

D Theoretical background 22

E Error sources 24

F Determination of diffuse sound absorption coefficient α_{st} of locally reacting absorbers from the results of this part of 180 1 0534 26

G Bibliography 27