PLACID Impedance Tubes
Sound Absorption
Sound Transmission Loss

ISO10534-2, ASTM E1050-08
ASTM E2611-09

Acoustic material testing

Sound Absorption Coefficient (a)
Sound Transmission Loss (TL)
Standard lists: ISO10543-2, ASTM E1050-08, ASTM E2611-09,GB/T-18696
Frequency Range: 43 Hz to 6300 Hz

Features

Transfer function method 2 microphones
Wide range testing
Plug and play DASY system

Specifications

Type PBB10:
- Inner diameter: 100 mm
- Frequency Range: 43 Hz to 1600 Hz

Type PBB80:
- Inner diameter: 30 mm
- Frequency Range: 800 Hz to 6300 Hz

Measurements:
- Sound Absorption, Sound Transmission Loss

Date acquisition:
- 4 Channels ICP input A/D converter 16/24 bit

Microphones:
- 4" Class 1 20 Hz to 20 kHz with BNC to SMB connector

Power amplifier:
- 35 W, ultra low distortion

Sound source:
- 3W loudspeaker 80V.

Standards:
- ISO10543-2, ASTM E1050-08, ASTM E2611-09,GB/T-18696

Ambient conditions:
- 22°C ± 5°C, 10% to 90% RH.

Storage temperature & humidity:
- -196°C to 122°F, 0% to 70% RH

Applications

Materials manufacture
R&D
Benchmarking
Automotive parts
Quality control

Sound Absorption measurement setup

Sound Transmission Loss measurement setup

Descriptions

Measurements

Sound Absorption

Sound Transmission Loss

- 4 Channels ICP input A/D converter 16/24 bit

- 4" Class 1 20 Hz to 20 kHz with BNC to SMB connector

- X4 4m-BNC to 500Hz

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- 2m BNC cable

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- 4" loudspeaker 80V.

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- 94/114 dB at 1000 Hz

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Measurement Software:
- Sound Absorption testing
- Sound Transmission Loss testing

Ref. PBB/20/V2

PLACID Instruments BV
Westplein 12-14
3013 BM Rotterdam, The Netherlands, Tel +31 10 218 4987
Email: info@placidinstruments.com Website: https://www.placidinstruments.com