

Sound Transmission Lab

Application area

- Facility
- Mechanical Property measurement
- Physical Property measurement
- Acoustical Property measurement

Parameter

What can be measured with this method

Sound Transmission Loss Index

Principle/Method:

Sound Transmission Lab ('Window Testing Facility')

Standard/Reference:

Literature documenting this method

Measurement of sound insulation in buildings and of building elements according to ISO 140

Manufacturer:

Technical specifications:

(Dimensions of rooms, size of the test-rig, working frequency range...)

Opening dimensions 1.25 m x 1.50 m, volume of sending room 74,5 m³, volume of receiving room 52,75 m³, limit transmission loss $R_w = 71$ dB

Description:

Note: The transmission lab is additionally equipped with a removable wall to the adjacent large anechoic room. Thus, sound transmission loss measurements with a reverberant sound field on one side and a free sound field on the other side can be performed.

