



Schallabsorptionsmessgerät



Strömungswiderstandsmessgerät



Materialkennwerte (geometrieunabhängig)

σ Strömungsresistenz

k_a, Z_a Wellenzahl, Impedanz

Anwendungsparameter (geometrieabhängig)

α Schallabsorptionsgrad

D_{TL} Durchgangsdämpfung

T Übertragungsmatrix

Messung

Simulation

α

Messung

Messung

Import

σ

Import

Import

k_a, Z_a

Import

Import

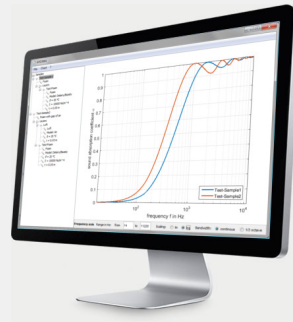
T

Simulation

D_{TL}

Messung

Messung



Simulationssoftware für Schallabsorber



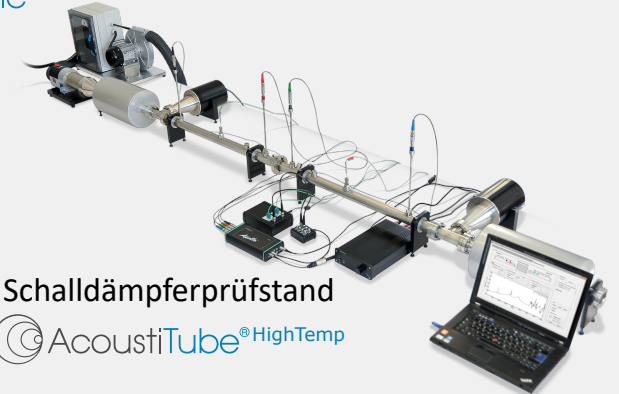
Simulationssoftware für Schalldämpfer



Impedanzmessrohr



Transmissionsmessrohr



Schalldämpferprüfstand





Sound absorption meter
AcoustiAdrienne®



Airflow resistivity meter
AcoustiFlow®

Material values (independent of geometry)

- σ Airflow resistivity
- k_a, Z_a Wave number, Impedance

Application values (dependent on geometry)

- α Sound absorption coefficient
- D_{TL} Transmission loss
- T Transfer matrix

Measurement

Simulation α

Measurement

Measurement

Import σ

Import σ

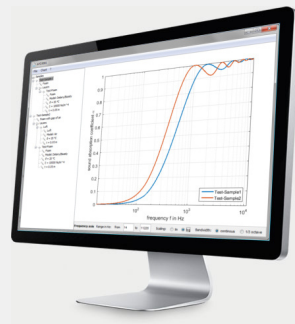
Import k_a, Z_a

Import k_a, Z_a

Import T

Simulation D_{TL}

Measurement



Simulation software for sound absorbers
AcoustiCalc® Absorber



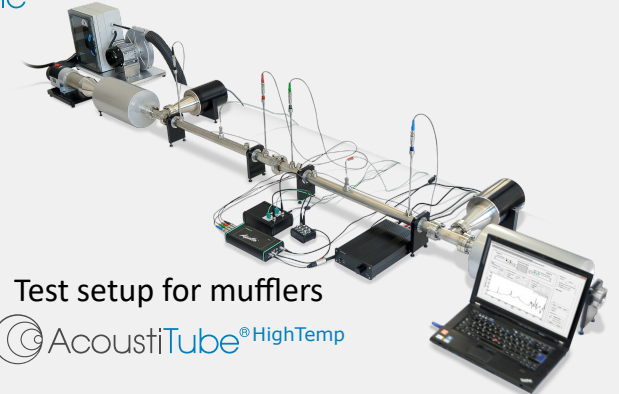
Simulation software for silencers and mufflers
AcoustiCalc® Silencer
AcoustiCalc® Silencer light



Impedance tube
AcoustiTube®



Transmission tube
AcoustiTube®



Test setup for mufflers
AcoustiTube® HighTemp