



Schallabsorptionsmessgerät
AcoustiAdrienne



Strömungswiderstandsmessgerät
AcoustiFlow®

Materialkennwerte (geometrieunabhängig)

- ξ Strömungsresistenz
- k_a, Z_a Wellenzahl, Impedanz

Anwendungsparameter (geometrieabhängig)

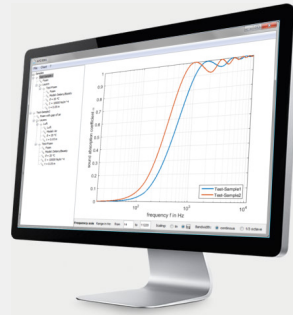
- α Schallabsorptionsgrad
- D_{TL} Durchgangsdämpfung
- T Übertragungsmatrix

Messung

Simulation

α

Messung



Simulationssoftware
für Schallabsorber
AcustiCalc®Absorber

Messung

Import

$[I]$

Import

Import

k_a, Z_a

Import

Messung



Simulationssoftware
für Schalldämpfer
AcustiCalc®Silencer

Import

T

Simulation

D_{TL}

Messung

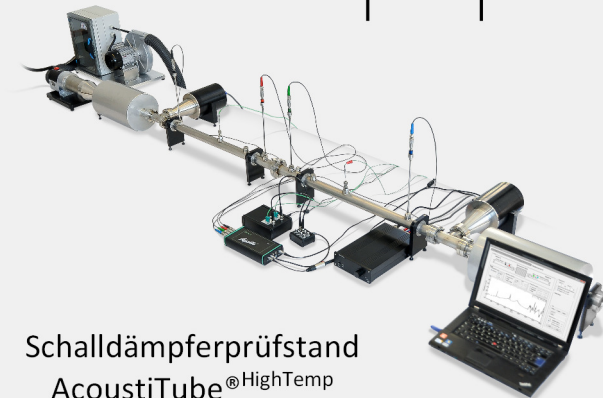
Messung



Impedanzmessrohr
AcustiTube®



Transmissionsmessrohr
AcustiTube®



Schalldämpferprüfstand
AcustiTube®HighTemp



Sound absorption meter
AcoustiAdrienne



Airflow resistivity meter
AcoustiFlow®

Material values (independent of geometry)

- Ξ 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

Measurement

α

Simulation



Simulation software
for sound absorbers
AcoustiCalc®Absorber

Measurement

Measurement

[Ξ]

Import

Import

Import

Import

k_a, Z_a



Simulation software
for silencers and mufflers
AcoustiCalc®Silencer

Import

T

Simulation

D_{TL}

Measurement

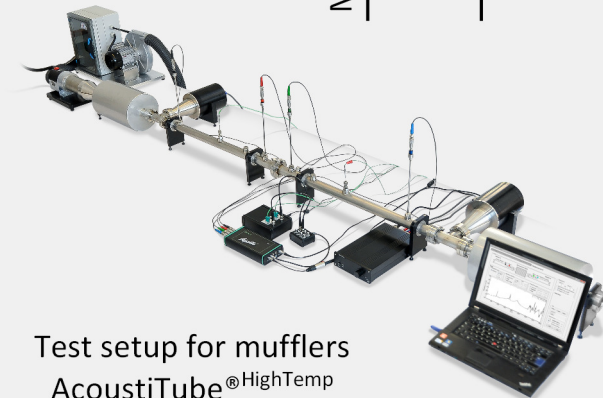
Measurement



Impedance tube
AcoustiTube®



Transmission tube
AcoustiTube®



Test setup for mufflers
AcoustiTube®HighTemp