

ACOUSTIC MATERIAL TESTING

PULSE Acoustic Material Testing Type 7758 implements the core functionality of obtaining absorption and reflection coefficients, impedance and admittance ratio of acoustic materials. In addition, it has powerful measurement, post-processing, display and report facilities.

A complete Acoustic Material Testing System consists of a PULSE system with Acoustic Material Testing Program Type 7758, Two-microphone Impedance Measurement Tube Type 4206, and Power Amplifier Type 2716 C.

Acoustic Material Testing has several configurations available for measurement of the absorption coefficient according to ISO 10534-2 and ASTM E1050. Transmission Loss measurement is also available as an option.

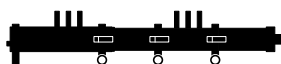
- Standard Material Testing with Small and Large Tubes (ISO 10534-2)
- Material Testing with Mid-size Tube (ASTM E1050)



Accessories



4206
Impedance
Measurement Tube



4206T
Transmission Loss
Measurement Tube



2716C
Power Amplifier



4231
Sound Level
Calibrator
with DP 0775
Adaptor



4187
Microphone
and
2670 Preamplifier

020228



4206 IMPEDANCE MEASUREMENT TUBE INCLUDES

- 4187 ¼-inch Condenser Microphone Cartridge
- 2670 ¼-inch Preamplifier
- DB 3260 Large Extension Tube
- UA 1117 Large Measurement Tube
- UA 1118 Small Measurement Tube

- UA 1119 Large Sample Holder
- UA 1120 Small Sample Holder
- UA 1168 Small Extension Tube
- ZG 0350 LEMO to 7-pin Adaptor

4206 A IMPEDANCE MEASUREMENT TUBE FOR ASTM INCLUDES

- UA 2033 Medium Measurement Tube for Type 4206

4206 T TRANSMISSION LOSS MEASUREMENT SYSTEM INCLUDES

- UA 1630 Transmission Loss Measurement Tubes

TYPE 3560 C-S29

Acoustic Material Test – Single Sided

3560 C-S3
7533
3109
7770-N2
7758

- ISO 10534-2
- Small and large tubes for wide frequency range 50 Hz – 6.4 kHz
- Simultaneous two-microphone transfer function method
- Acoustic material simulation with back-space variations
- Excitation with filter (High/Low/Linear)

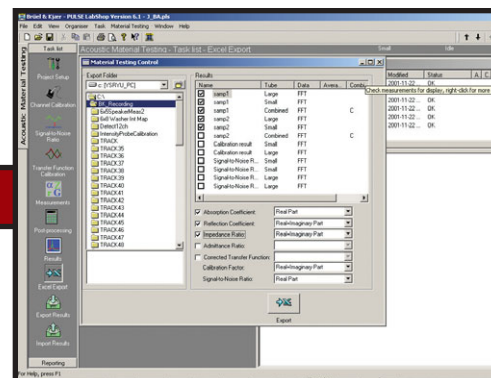
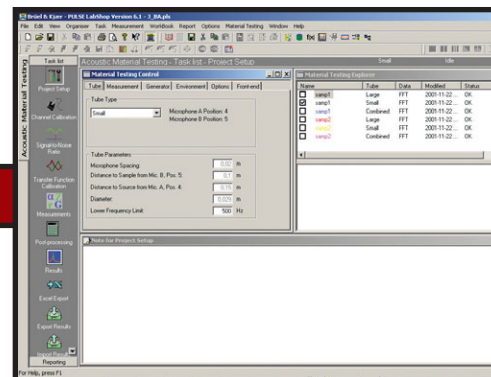


From measurement setup up to report functions – available with task-oriented project

Material Test Software

- PULSE user interface software
- Icon-driven structure
- Task oriented
- From measurement setup up to reporting (Microsoft® Word)
- Database integration
- Import/export to Excel
- User-defined tube setup
- Calibration procedures included

* One year SW maintenance



TYPE 3560 C-S30

Acoustic Material Test – Double Sided

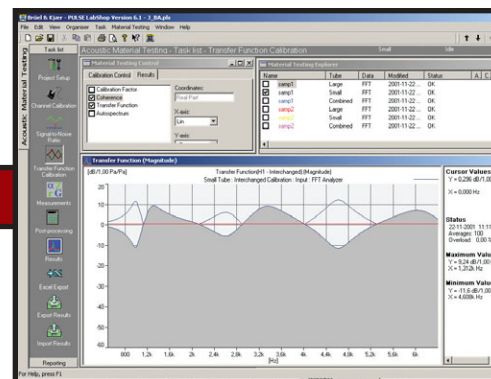
3560 C-S5
7533
3109
7700-N4

- Transmission Loss Measurement
- Small and large tubes, 50 Hz – 6.4 kHz
- Simultaneous four-microphone transfer function method
- Excitation with filter (High/Low/Linear)
- PULSE standard project driven



The transfer functions of travelling and reflecting waves measured with 2 microphones and corrected with phase match

* One year SW maintenance



HW OPTIONS

Mid-Size Tube Material Testing

4206 A

- ASTM E1050
- Mid-size tube, 100 Hz – 3.2 kHz
- Simultaneous two-microphone transfer function method
- Acoustic material simulation with back-space variations
- Excitation with filter (High/Low/Linear)
- With 7758 Software

PULSE project guides measurement and calculation of the transmission loss with 4 microphones simultaneously

