The BAS001 Sound Source is designed to generate omni-directional sound fields for making standard compliant measurements including: reverberation time (ISO 3382, ASTM E2235), building acoustics (insertion loss, acoustic absorption area, etc: ISO 140-4 ISO 140-3, ASTM E336, ASTM E90, DIN 55 210). The BAS001 is typically used to saturate a room with a uniform acoustic field. The available high-efficiency power amplifier has no fan for cooling, allowing measurements in quiet environments, like those in reverberation time applications. The included carrying and shipping case is designed to provide dependable protection for the BAS001 dodecahedral speaker in demanding conditions for many years.

Pairing the Larson Davis Model 831 sound level meter with Reverberation Time option (831-RT) aids you in multiple architectural acoustics applications ranging from simple experimental reverberation time determination for room performance, to calculating absorption coefficients for material performance. Most of the time, these measurements are dictated by various international standards.

Model 831 measures the decays and then computes the reverberation time according to ISO 3382-2 or ASTM 2235-04 standards. When using the Interrupted Noise method, the Model 831 not only triggers the data acquisition, but its built-in Noise Generator can be used to drive the omni-directional sound source. Recent trends show that the Integrated Impulse method is gaining popularity and Model 831 handles the acquisition of the decays and the subsequent T20 or T30 calculations completely and with ease.
Larson Davis offers a full line of noise and vibration measurement instrumentation such as Class 1 and 2 sound level meters, outdoor noise monitoring systems, personal noise dosimeters, human vibration meters, audiometric calibration systems, microphones and preamplifiers, and data analysis software. Instrumentation is used in community and environmental noise monitoring, measurement of building acoustics, managing worker exposure to noise and vibration, and various automotive, aerospace, and industrial applications. Larson Davis is a division of PCB Piezotronics, Inc., a wholly owned subsidiary of MTS Systems Corporation.

MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), vastly expanded its range of products and solutions after MTS acquired PCB Piezotronics, Inc. in July, 2016. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corp.; IMI Sensors and Larson Davis are divisions of PCB Piezotronics, Inc.; Accumetrics, Inc. and The Modal Shop, Inc. are subsidiaries of PCB Piezotronics, Inc.