

ALPHA CABIN



SVG-Tech Sdn Bhd
(941848-A)

Address: Jalan Putra Mahkota 7/4B
Putra Heights
47650 Subang Jaya
Selangor Darul Ehsan
Malaysia

Phone : 603- 5191 8891
Fax : 603- 5191 8892
E-Mail : enquiry@svg-tech.com
Website : www.svg-tech.com

Distributor:

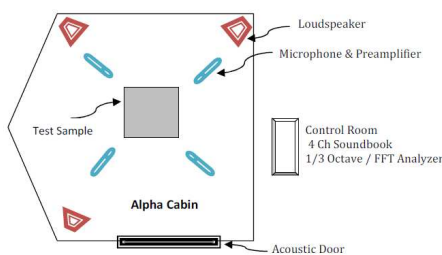
The small reverberant room are usually used in the automotive industry, well known as the Alpha Cabin. It has approximate dimensions of 3.22 m x 2.37 m x 2.03 m with nonparallel walls. The nonparallel walls force the reflecting sound waves that produce the modes (standing waves) to reflect from all the walls in the room. Thus, a sample placed on the floor will affect the decay time of all of the modes.

The Alpha Cabin shall be design by comparison from a larger room according to ISO 354 standards. ISO 354 specifies a method of measuring the diffuse field absorption coefficient measurement of porous materials. The advantages is that rather small flat samples (i.e. foam and fabric acoustical materials) can be used here, typically 1m by 1.2m.

The Alpha Cabin can be deliver together with multi channels acoustic analyzer and sound source (Optional). The sound field decay rate is measured and recorded at each of four microphone positions. This process is repeated for each third octave band from 400 Hz to 10,000 Hz.



Alpha Cabin



Alpha Cabin with Loudspeaker and Microphone

Technical Specification: -

Model : AC - SA - 301
Room Size : 3.22 (L) x 2.37 (W) x 2.03 (H) m

Room Volume : < 6.5 m³
Frequency Range : 400 ~ 10KHz , NIC > 40dB (A)

Model : AC - SA - 302
Room Size : 3.22 (L) x 2.37 (W) x 2.03 (H) m

Room Volume : < 18 m³
Frequency Range : 400 ~ 10KHz , NIC > 38dB (A)

Walls Thickness : 100 mm
Vibration Isolator : Flexible Rubber

Standard : Design Similar to ISO 354 Standard but in a Smaller Room
Measurement Test : Sound Absorption