

Audiometric Sound Field Speakers and Optional Built-In VRA System

**Standard dB Performance
90 dB HTL Speech Output**



Model SP8C

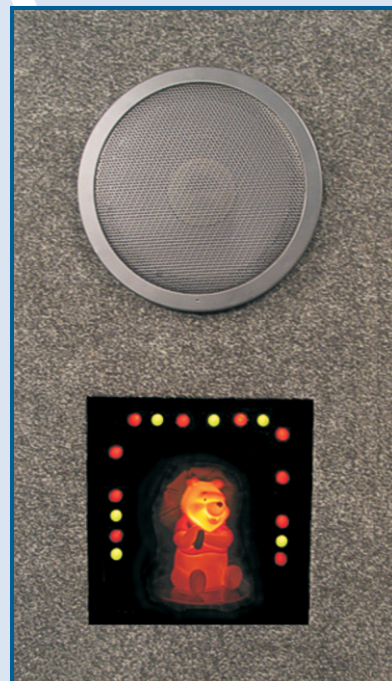
90 dB HTL Speech Minimum (102.5 dB SPL @ 45 degree azimuth) @ 1 meter in a 6' x 6' sound room when driven by an audiometer with a 10 watt internal power amplifier. An output of 95 dB HTL can be achieved with an optional 30 watt boost amplifier.

Audiometers without an internal 10 watt amplifier will require a 30 watt boost amplifier and possibly an impedance matching network to achieve the 90 dB or 95 dB HTL values.

Optional: Solid medium Oak wood cabinet top and bottom. Built-in VRA.

Sound rooms larger than 6' x 6' may result in a lower maximum output.

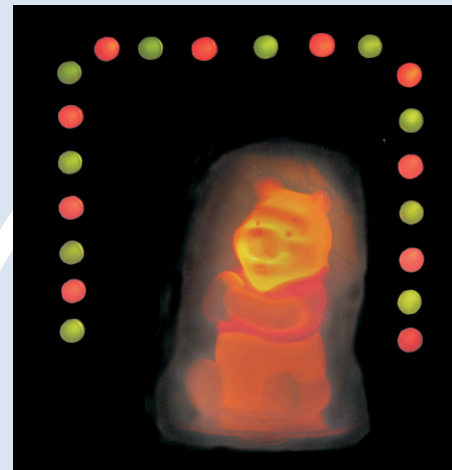
Speaker front displayed with built-in VRA



Optional Built-in VRA Conditioning System

Visually Captures Attention

Doll swivels with red and green chaser or marquee lights. Centering doll and wireless control are additional options.



VRA Components provided by Pehrtek Products, a leader in VRA conditioning systems.



Optional VRA may be installed at time of purchase, or at a later date behind the smoked plexiglass window. SP8C and SP10C speakers are supplied standard with plexiglass fronts.

**High dB Performance
100 dB HTL Speech Output**



Model SP10C

100 dB HTL Speech Level (112.5 dB SPL @ 45 degree azimuth) @ 1 meter in a 6' x 6' sound room when driven by an audiometer with 10 watt internal amplifier plus an external 100 watt boost amplifier.

Audiometers without an internal 10 watt amplifier may be limited to 95 dB HTL with the 100 watt boost amplifier and may require an added impedance matching network.

Optional: Built-in VRA.

Sound rooms larger than 6' x 6' may result in a lower maximum output.

Space Saving

**High Efficiency
Flat Response**

Low Distortion

**Meets ANSI
Specifications**



MODEL SP8C: AUDIOMETRIC 90 dB SPEAKER SPECIFICATIONS :

Type: Audiometric, Hi-Efficiency with Flat Frequency Response meeting ANSI S3.6-1996 Audiometer Specifications

Components: 8" Coaxial Loudspeaker with wide-angle dispersion
10 oz. magnet weight and treated edge suspension

Frequency Response: +/- 3.0 dB 250 - 4000 Hz
+/- 5.0 dB 4000 - 6000 Hz, extended range to 18,000 Hz

Impedance: 8 Ohms

Crossover Frequency: 3000 Hz

Efficiency: 90 dB HTL Speech Minimum @ 1 meter in a 6' x 6' sound room when driven by an audiometer with a 10 watt internal power amplifier. An output of 95 dB HTL can be achieved with an optional 30 watt boost amplifier. Audiometers without an internal 10 watt amplifier will require the 30 watt boost amplifier and possibly an impedance matching network to achieve the 90 dB or 95 dB HTL values. (Speaker Sensitivity at 1 watt/meter is 97 dB)

Power (Max): 30 watt continuous program power rating

Enclosure: Hardwood MDF, CNC/CAD machined, 100% Dado grooved and Mitered joints are all glued, Gold terminal cups.

Optional: **VRA conditioning system built-in or add on at a later date. Center doll; wireless operation. Solid medium Oak wood cabinet top and bottom; satin finish**

Finish: Commercial carpet, Charcoal color

Dimensions: 24"H x 13.5"W x 7.5"D, Triangular corner mounting; mounting brackets preattached

Weight: 16 lbs net. Shipping 38 lbs/pair; supplied with cable and wire clamps

MODEL SP10C: AUDIOMETRIC 100 dB SPEAKER SPECIFICATIONS :

Type: Audiometric, Hi-Efficiency with Flat Response meeting ANSI S3.6-1996 Audiometer Specifications

Components: 9" Coaxial High Power Low Distortion Loudspeaker with wide-angle dispersion and fast transient response, 92 oz. magnet weight, 2" voice coil diameter and treated edge suspension

Frequency Response: +/- 3.0 dB 250 - 4000 Hz
+/- 5.0 dB 4000 - 6000 Hz, extended range to 8,000 Hz

Impedance: 8 Ohms

Crossover Frequency: 3000 Hz

Efficiency: 100 dB HTL Speech Level (112.5 dB SPL @ 45 degree azimuth) @ 1 meter in a 6' x 6' sound room when driven by an audiometer with 10 watt internal amplifier plus an external 100 watt boost amplifier. Audiometers without an internal 10 watt amplifier may be limited to 95 dB HTL with a 100 watt boost amplifier and may require an added impedance matching network. Sound rooms larger than 6' x 6' may result in a lower maximum output. (Speaker Sensitivity at 1 watt/meter is 97 dB)

Power (Max): 200 watt program power and 100 watt continuous sine wave rating

Enclosure: Hardwood MDF, CNC/CAD machined, 100% Dado grooved and Mitered joints are all glued, Gold terminal cups.

Optional: **VRA conditioning system built-in or add on at a later date. Center doll; wireless operation.**

Finish: Solid medium Oak wood cabinet top and bottom; satin finish. Commercial carpet, Charcoal color

Dimensions: 25.5"H x 14.25"W x 8"D, Triangular corner mounting; mounting brackets preattached

Weight: 24.5 lbs net. Shipping 61 lbs/pair; supplied with cable and wire clamps

VRA: Components provided by Pehrtek Products, a leader in VRA conditioning systems.

Distributed By:

Part Number	Speaker Description/Pair
STO-SP8C	Standard 90 dB HL speakers, pair (VRA not included)
STO-SP10C	Hi performance 100 dB HL speakers, pair (VRA not included)

Part Number	Description for Optional VRA
STO-VRA2	Built in VRA, character/lights each speaker, wired system
STO-VRA3	Built in VRA, character/lights each speaker, wired system, Plus a third centering character with enclosure
STO-VRA2-WL	Wireless control, built in VRA, character/lights each speaker
STO-VRA3-WL	Wireless control, built in VRA, character/lights each speaker, Plus a third centering character with enclosure

Select desired part number for speaker type plus desired part number for optional VRA

Audiometric Sound Field Speakers

Optional Built-In VRA Conditioning System



Attractive

Space Saving

High Performance

Visually Captures Child's Attention