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PSO

SPEECH PRIVACY
TESTING SYSTEM

www.placidinstruments.com



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PLACID SPEECH PRIVACY TESTING SYSTEM | PSO



OVERVIEW

The PLACID PSO Speech Privacy Testing System is an advanced system for determining a safe speech zone. It determines the range of speech intelligibility below the definition of speech intelligibility.

When a purpose-modulated signal is used to define the critical areas of the space under consideration, it operates on the same premise as the STI or STIPa index measurement. An acoustic measurement microphone which measures the transmission of sound from the speaker to any surrounding object that can transmit sound, is used to make the measurement.

The process of measuring is very easy. Perform the measurements with a PC, tablet, or mobile phone using a loudspeaker, measurement microphone at the location where you want to check speech intelligibility. The measurement system guides the user to the final report and is completely automated.



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FEATURES

COMPLIANCE WITH IEC 60268-16.

BE LISTENING TO THE LIVE SIGNAL THROUGH EARPHONES OR TABLET,

- Using your tablet, you can listen to the live signal in another room.

POSSIBILITY OF PLAYING ONE'S OWN RECORDED SOUND,

- Subjective verification of the reliability of results from the current or neighboring area.

GENERATED PDF REPORT OF THE RESULTS

- Report with STI or STIP index ranging between 0 and 1:
- > 0 represents poor speech intelligibility and high security
- > 1 represents good speech intelligibility and low security





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INDIVIDUAL PARTS

1

MEASUREMENT MICROPHONE

Class 1 measurement microphone:
- Max RMS 137 Dba,
- 120 Db dynamic range without gain correction

2

VIBRATION SENSOR

Calibrated vibration sensor
- sensitivity: 100 mv/g
- range: 50

3

TABLET PC

Tablet PC for managing measurements

4

SPEAKER

Wireless speaker for modelled signal playback

5

HEADPHONES

Headphones for listening live

6

AUDIO OUTPUT

- for connecting to existent sound system

7

CASE

- with measuring equipment and built-in battery



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ASK US!
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