BEDROCK TALKBOX
BTB65

GeoNoise
Acoustical Consulting
Sound Instrumentation and Calculation Software

Noise & Vibration Registration
Instruments and Software

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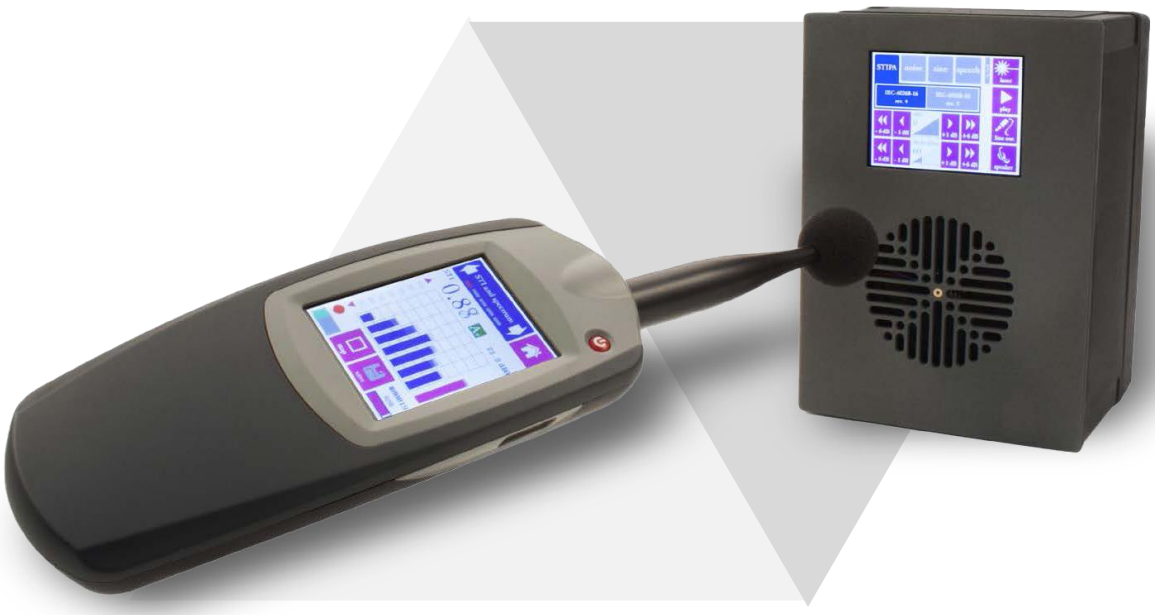

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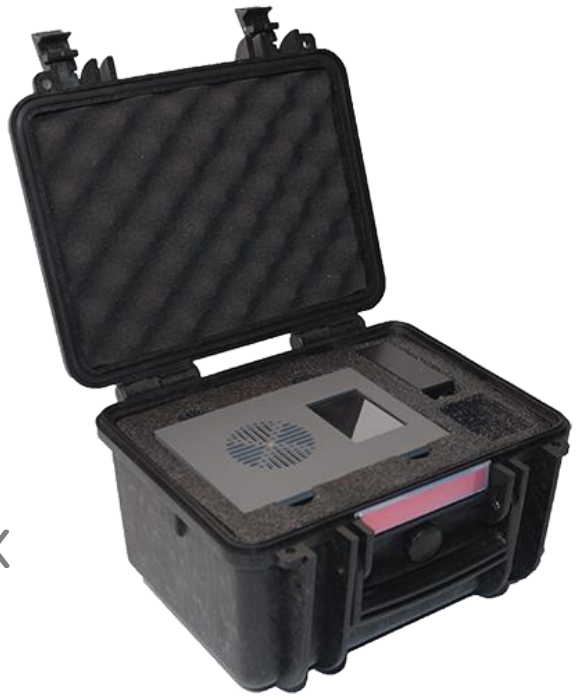
THE IDEAL SIGNAL SOURCE FOR STIPA AND FULL STI TESTING

In order to carry out STIPA or Full STI measurements, of course you need an STI analyzer, such as the SM50. But the only way to get reliable test results is to also use an accurately calibrated signal source: the BTB65 TalkBox. This device provides STI signals as well as a variety of other acoustic test signals. When performing tests, it is simply placed in front of the tested system's microphone instead of a human talker. The BTB65 is designed for accuracy and reliability, but also for ease of use. The touch screen interface makes it easy to control, and various features (such as an integrated laser pointer to assist in alignment) make testing easy and simple.



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Why choose the BTB65?

The standards that define how STI tests need to be carried out require that a calibrated loudspeaker is used as a signal source. A very elaborate and strict set of specifications is imposed on the loudspeaker, and with reason.

Calibrating the signal source is crucial to the accuracy and success of any STI test. From a technical perspective, it is by far the hardest and most time-consuming step in setting up an STI test. Unless you use the BTB65, in which case the device does all this work for you. It makes sure that the test signals are reproduced with the correct sound level and spectrum, and that the STIPA signal complies exactly with the standard.

The BTB65 is extremely easy to use. It features a simply and intuitive touch display, which lets you control all device features without having to go through complex multi-level device menus. All features can be seen at a glance and controlled with a single touch.

If you need a calibrated electronic output signal instead of an acoustic signal, you can use the balanced line out on the back of the device (in parallel with the loudspeaker, if you like). Or you can choose to use the TalkBox simply as a powered loudspeaker through its line input.

The handy integrated laser pointer helps you to align the tested microphone with the loudspeaker axis in a matter of seconds.

PRODUCT FEATURES

THE BTB65 TALKBOX OFFERS THE FOLLOWING FEATURES:

- Playback of STIPA and full STI signals according to IEC-61268 rev. 4 and the draft specifications of IEC-61268 rev. 5 (expected to come into effect by 2017)
- Playback of noise signals (pink/white), e.g. for quick evaluation of frequency transfer functions.
- Playback of sine waves and sweeps.
- Spoken messages for announcing the beginning and end of test sessions (also to be used to obtain a subjective impression of speech quality) in 6 languages (US/UK/FR/SP/GE/DU), each in a male and a female voice.
- Full-colour 3.2" LCD touch screen
- Balanced XLR line output (calibrated in dBU)
- Line input (3.5mm jack), e.g., for audio input from a PC or smartphone.
- Integrated class 2 laser pointer
- Rubber feet on front and back (for forward facing as well as upward facing use)
- Powered from 12V through an external AC adapter (included) or an optional car power cable (not included)
- USB data cable for firmware updates.

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS OF THE BTB65 INCLUDE:

- Effective frequency range 50 - 16,000 Hz
- Acoustic output level at 1 meter distance (vocal effort) adjustable in 1 dB steps between 54 and 72 dB
- Line output adjustable in 1 dB steps between -30 and -12 dBU.
- Noise, STIPA and Full STI signals conform to target spectra within 1 dB (measured at 1/3 octave resolution).

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