www.bedrock-audio.com

Bedrock® SM50 STIPA meter

The Speech Transmission Index meter from the inventors of STIPA

Measuring the Speech Transmission Index has never been easier - or more affordable. The Bedrock SM50 is a full-featured acoustic measuring instrument, designed from the ground up by the development team at Embedded Acoustics - the team that invented STIPA. You will easily navigate through its functions thanks to the full-colour touch screen, and retrieve your stored measurement data through USB. The device is fully compliant to all the newest standards, and has several unique features to ensure that you get the most accurate and reliable results of any STI measuring device.

What is Bedrock?

Bedrock is a range of products for the pro audio engineer and acoustician. The Bedrock product range comprises acoustic measuring instruments (such as the SM50), but also devices for processing and controlling audio signals.

All Bedrock products are designed and manufactured in the Netherlands by Embedded Acoustics.

Why choose the SM50?

Doing an STI measurement will literally be as simple as pressing a button. If you will be doing Speech Transmission Index measurements only infrequently, perhaps once in a while, you will appreciate the instrument's ease-of-use and intuitive user interface - no need to memorize complex menu structures. But even the most the demanding STI user will still find every option he or she ever needed on the device. The "STIPA pro" mode gives instant access to all measurement details, including the MTF values. A unique feature of the Bedrock SM50 (and SM90) is the availability of a Full STI measurement.

The SM50 has more to offer than just STI measurements. Such as the integrated Sound Pressure Level meter with all the usual settings (including A, C and Z-weighting, fast-slow and Leq) a Real-Time Analyzer (RTA) and reverberation time measurements (RT60). Different measurement modes are accessed through an easy-to-use menu.

The SM50 STIPA meter is built from top-notch digital and analog components. Its multi-range pre-amplifier offers an impressive combined measuring range of more than 110 dB. The SM50 comes standard with a Type 2 / Class 2 measuring microphone, but will work with any measuring microphone that operates on 48V phantom power. Working with line-level input signals from an external source is also easy.

Where to buy?

You can buy the Bedrock SM90 through your local distributor. Please refer to our website for our distributor list and up-to-date information about our products, as well as available firmware upgrades, manuals and test signals.

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Easy to use. Reliable. Affordable

Bedrock® SM50 STIPA meter

Product features

The SM50 STIPA meter offers the following features:

- STIPA
- Full STI
- Speech Level Meter (cf. 602168-16)
- SPL meter
- Real-Time Analyzer (RTA) with 1/1, 1/3, 1/6 and 1/12 octave resolution
- Reverberation time measurements (RT60)
- Statistical acoustics (percentiles)
- LAEQ logging
- Noise Curves (NR/NC)
- FFT analysis
- Oscilloscope
- AC Volt meter
- Loudspeaker polarity
- Calibrated audio recording.

More functionality to be added through free firmware updates.

Functional specifications

- Full-color 3.2” LCD touch screen
- 4 GB of internal storage, at least 3.8 GB available for storing measurement data
- Downloading of measurement data and firmware updating through USB
- Easy calibration procedure
- Comes standard with Type 2 / Class 2 measuring microphone; works with any 48 V XLR measuring microphone.
- Approx. 4-6 hours of use on a single charge, depending on intensity of use.
- Recharging through USB wall charger (charger with international adapters included)

Technical specifications

Technical specifications of the SM50 include:

- Linear range of electronics (combined ranges) >110 dB
- Linear measuring range with included microphone: 30 to 122 dB.
- STI measurements fully compliant with IEC-60268-16 4th edition (2011).
- Type 2 / Class 2 SPL measurements compliant with ANSI S1.4 and IEC-61762-1:2014.
- RTA filter specs exceed class 1 requirements (IEC-61260:2014)

Accessories

The SM50 comes bundled with the following accessories:

- Ruggedized arrying case
- Microphone
- World charger
- USB cable
- Carrying cord
- Quickstart guide
- Calibration certificate
- USB flashdrive with test signals and manual
- Foam windscreen

Pricing

Contact your local Bedrock Distributor for pricing information:

http://www.bedrock-audio.com/where-to-buy

Bedrock is a Registered Trademark of Embedded Acoustics BV. For more information on Bedrock products, please refer to our websites:

www.bedrock-audio.com
www.embeddedacoustics.com

For information on product pricing, finding local distributors or placing orders:
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