



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 the brand under which Embedded Acoustics markets its products. 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 the demanding STI veteran 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. These are continually updated on the screen as the measurement is running.

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). 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 130 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.

www.bedrock-audio.com



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Product features

The SM50 STIPA meter offers the following features:

- Fully compliant STIPA measurements (IEC-60268-16 rev.4)
- Sound pressure level measurements with A,C an Z weighting, slow, fast MAX and EQ (IEC-616721 class 2 / ANSI S1.4 Type 2)
- 1/1 and 1/3 octave real-time analyser (IEC-61260 class 0).
- Instrument electronics and measuring algorithms designed and manufactured by Embedded Acoustics.
- Full-colour 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. 3-6 hours of use on a single charge, depending on intensity of use.
- Recharging through USB wall charger (charger with international adapters included)

Dealer information:



Technical specifications

Technical specifications of the SM50 include:

- Combined measuring range of microphone pre-amplifier: 130 dB.
- Useful measuring range of STIPA test signal levels, with included microphone: 30 to 120 dB(A).
- 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.

Accessories

The SM50 comes bundled with the following accessories:

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

E-Sonic Solutions

We provide support and training for users of the SM50 system

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

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Embedded Acoustics is committed to sparking innovation in the fields of acoustics, speech and hearing. Our mission is to translate scientific knowledge and high-tech engineering into working, real life products and services. We're not just talk - get in touch and find out what we are all about: expertise, experience and a practical mindset.

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