



## 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 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. 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) 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 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.

#### Where to buy?

You can buy Bedrock equipment straight from the manufacturer through our online shop, or from any of our distributors. Please refer to our website for up-to-date information on product details and pricing. Our distributor list is also found on the Bedrock website:

[www.bedrock-audio.com](http://www.bedrock-audio.com)



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### Product features

The SM50 STIPA meter offers the following features:

- Basic functionality: STIPA meter (standard and “pro” mode), SPL meter, Real-Time Analyzer (RTA) with 1/1 and 1/3 octave resolution, reverberation time measurements (RT60), FFT analysis, calibrated audio recording.
- More functionality to be added through free firmware updates.
- 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. 5-8 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:

- Combined measuring range of microphone pre-amplifier >120 dB.
- Linear measuring range with included microphone: 30 to 124 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.
- RTA filter specs exceed class 0 requirements (IEC-61260)

### 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

### Pricing

The manufacturer suggested retail price is €1249,-. Contact your local distributor for up-to-date pricing details.

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

[www.bedrock-audio.com](http://www.bedrock-audio.com)  
[www.embeddedacoustics.com](http://www.embeddedacoustics.com)

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

[sales@embeddedacoustics.com](mailto:sales@embeddedacoustics.com)  
T: +31 88 8770700

For technical questions regarding our Bedrock product line:

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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.*

