

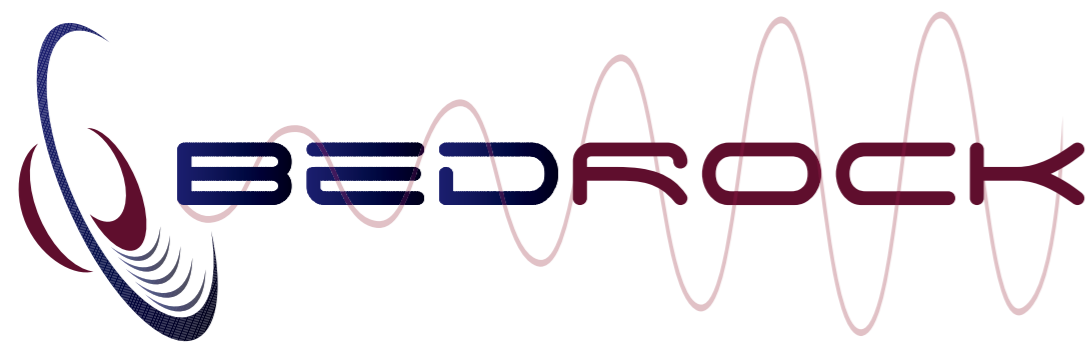


Bedrock®SM50 STIPA Meter

The Speech Transmission Index meter from the inventors of STIPA



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-color 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 use 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 integrated Sound Pressure Level meter with all the usual settings (including A, C and Z-weighting, fast-slow and Leq) and a Real-Time Analyzer (RTA) with 1/1 and 1/3 octave resolution. 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 it can work with any measuring microphone that operates on 48V phantom power. Working with line-level input signals from an external source is also easy.

Product Features

The SM50 STIPA meter offers the following features:

- Full-color 3.2" LCD touch screen
- Easy calibration procedure
- More functionality to be added through free firmware updates (RT60 measurement is about to be launched in 2016)
- Instrument electronics and measuring algorithms designed and manufactured by Embedded Acoustics
- Basic functionality: STIPA meter (standard and "pro" mode), SPL meter, Real-Time Analyzer (RTA) with 1/1 and 1/3 octave resolution
- 4GB of internal storage, at least 3.8GB available for storing measurement data
- Downloading of measurement data and firmware updating through USB
- Comes standard with Type 2/Class 2 measuring microphone; works with any 48V XLR measuring microphone
- Approx. 5-8hours of use on a single charge, depending on intensity of use
- Extend working hours by using portable charger as external power supply
- 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 >120dB.
- Linear measuring range with included microphone: 30 to 124dB.
- STI measurements fully compliant with IEC-60268-16 4th edition (2011).
- Type 2/Class 2 SPL measurements compliant with ANSI S1.4 and IEC-61672.
- RTA filter specs exceed class 0 requirements (IEC-61260)



Accessories

The SM50 comes bundled with the

following accessories:

- Carrying case
- Measuring microphone
- World charger
- USB cable
- Carrying cord
- Quickstart guide
- Calibration certificate
- USB flash drive with test signals and manual
- Foam windscreen

How to Buy

T: +886 (7) 970-3838

E: bxb@bxb.tw