



BEDROCK
STIPA METER
SM50



Sound Instrumentation and Calculation Software

Noise & Vibration Registration
Instruments and Software

Geonnoise Asia Co., Ltd.

Room 1603 Island Place Tower
510 King's Road
Hong Kong

T : +852 8198 8469
e : bedrock@geonnoise.com

GN/BDR/SM50/23/V1
www.geonnoise.com



BEDROCK STIPA METER

SM50

The Speech Transmission Index meter from the inventors of STIPA

Measuring the Speech Transmission Index has never been easier - or more affordable. The 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.



BEDROCK STIPA METER SM50



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. A unique feature of the 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.



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
- RTA logging (spectrograms)
- Noise Curves (NR/NC)
- FFT analysis
- Oscilloscope
- AC Volt meter
- Loudspeaker polarity
- Calibrated audio recording.

More functionality to be added through free firmware updates.:

ACCESORIES

THE SM50 COMES BUNDLED WITH THE FOLLOWING ACCESSORIES:

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



FUNCTIONAL SPECIFICATION

- 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 SPECIFICATION

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 module fully compliant with IEC-60268-16 rev 4 (2011) and rev 5 (2020)
- 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)
- Remote control API available (control the SM50 from your own external applications).



Geonoise Asia

Geonoise Asia Co., Ltd.
Room 1603
Island Place Tower
510 King's Road
Hong Kong
+852 8198 8469

Geonoise Malaysia

Acoustic Vibration Consulting
Malaysia Sdn. Bhd. (AVCM)
D-10-02, Sunway Nexis,
No. 1, Jalan PJU 5/1, Kota
Damansara 47810, Petaling
Jaya, Selangor, Malaysia.
+60165271233

Geonoise Thailand

Geonoise Thailand Co., Ltd.
6/54-56 Poemsin Soi 42
10220 Bangkok
Thailand
+66 21214399

Geonoise India

SVI Geonoise
Technologies Private Ltd.
Parappana Agrahara,
Bangalore 560100 India
+91 9360390151

Geonoise Indonesia

PT. Global Suara Indonesia
Jl. Permata Sari Utara No. 856
Little Asia, Lippo Village
Binong, Kec. Curug
Kab Tangerang, Indonesia 15810
+6221 5010 5025

Geonoise Vietnam

14 Thien Phuoc, Ward
Tan Binh District
Ho Chi Minh City
Vietnam
+84 28 3601 679

Geonoise Philippines

51-14th Street
New Manila QC
1110 The Philippines
+639175298642