



www.bedrock-elite.com



Bedrock® SM30 class 2 measuring instrument

Acoustic measurements made easy and affordable

The Bedrock SM30, despite being our most basic model, is already packed with features and measurement modules. Moreover, its functionality is expended with the release of each new firmware update, at no charge.

What is Bedrock?

Bedrock produces innovative acoustic measuring instruments for acousticians, audio specialists, architects, engineers and basically anybody involved in (acoustic) testing and certification.

All Bedrock products are designed and manufactured in the Netherlands, by the inventors of STIPA.

Why choose the SM30?

The Bedrock SM30 is a high-end class 2 instrument, offering the same reliability, accuracy and robustness as instruments by any top-notch brand of sound level meters. However, there are a few things that set the Bedrock SM30 apart from the competition.

- **No legacy hardware issues.** Many instruments that are currently sold have evolved from older meters, which are

based on legacy hardware. This greatly limits their capabilities. The Bedrock SM30 was designed from scratch, using the latest components and technologies. This makes the SM30 an extremely flexible instrument, with power to spare for future upgrades.

- **The Bedrock SM30 offers a very intuitive and easy-to-use full color touch interface.** Not even a stylus is needed - just your finger. Confusing multi-function buttons, rotary switches and complex nested menus may have been acceptable in the 1990s. But why settle for such a cumbersome interface now?
- **The Bedrock SM30 is the basic model, which comes standard with a variety of measuring modules (class 2 SLM, RTA, FFT, RT60, L%, NC, THD+N, SRI/STC, Polarity, scope, logging features,...).**

The steep price tag on some sound level meters is meant to suggest superior quality, but in fact, the price of an instrument has very little to do with its

hardware. Instead, the quality of an acoustic measuring instruments depends mostly on how well it is designed.

Our design team is counted among the best in the world - having designed acoustic (testing) equipment not just for our Bedrock brand, but for a variety of products and brands worldwide.

The Bedrock SM30 comes standard with a Type 2 / Class 2 measuring microphone.

Where to buy?

Bedrock products are sold through a global network of distributors and resellers. 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® SM30 class 2 acoustic measuring instrument



Product features

The Bedrock SM30 offers the following features:

- Statistical acoustics (L10, L90, etc.)
- 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)
- LEQ logging (A/C/Z)
- RTA logging / spectrograms
- Noise Curves (NR/NC)
- Sound insulation (R'/DnT)
- SRI / STC
- FFT analysis
- Oscilloscope
- AC Volt meter
- THD+N
- Fundamental frequency
- 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 SM30 include:

- Linear range of electronics (combined ranges) >110 dB
- Linear measuring range with included microphone: 30 to 122 dB.
- Class 2 / Type 2 sound level meter (fast, slow, impulse; A/C/Z-weighting, Leq, SEL) conforming to IEC-61672 class 2, ANSI S1.4 Type 2.
- RTA filter specs exceed class 1 requirements (IEC-61260:2014)
- Remote control API available control the SM30 from your own external applications).

Accessories

The SM30 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

For more information on Bedrock Elite products, please refer to our websites:

www.bedrock-elite.com

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

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For technical questions regarding our Bedrock product line:

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