



www.bedrock-audio.com



Bedrock® acoustic measuring instruments

An acoustic measuring device for every application and budget

While our Bedrock instruments are each optimized for a different set of user needs, they share many common characteristics. The SMxx range (SM30, SM50 and SM90) are based on the same display and processor, differing in terms of SLM class and functionality. The AM100 is our newest instrument, offering the same core functionality but with enhanced specifications and additional features such as a built-in signal generator.

Why choose Bedrock?

All Bedrock products are designed and built by acousticians and field engineers who use these products themselves, every day. We are saving ourselves time by creating tools that are easy to use and perfect for the job. As a Bedrock customer, you get precisely what we've always wanted for ourselves - plus many features previously requested by thousands of satisfied Bedrock customers since 2014.

We meet the same high standards as other European top brands, but at much friendlier prices. Also good to know: once you buy a Bedrock meter, you get *all* of our modules free of charge, including future releases and upgrades. No

hidden fees. No expensive upgrades to get that one new feature you absolute need for that job. If you buy a Bedrock meter, that feature is already on it.

Which model to choose?

Please consult the comparison table on the reverse side of this flyer. 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 SM50 includes all the functions of the SM30, plus modules for speech intelligibility measurements (STIPA and Full STI). The SM90 has all the features of the SM50, but complies with the strictest requirements for

sound level measurements (class 1) according to IEC-61672-1:2014. The Bedrock AM100 is our most powerful model, built into a ruggedized metal enclosure and based on a high-resolution capacitive touch display. Compared to the SM90, it has somewhat higher specifications (analog front end, battery life, storage capacity) and additional features (built-in signal generator, headset connectivity, second input channel, WiFi and Bluetooth).

Where to buy?

Please refer to our website for up-to-date list of distributors, or contact us directly if you cannot find a reseller in your region:

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Easy to use. Reliable. Affordable

Model comparison chart

Hardware	SM30	SM50	SM90	AM100
Display resolution	320x480	320x480	320x480	480x800
Microphone (included)	class 2 1/4"	class 2 1/4"	class 1 1/2"	class 1 1/2"
Storage for measurement data and audio	4 GB	4 GB	8 GB	32 GB
Rechargeable internal 2500 mAh battery	•	•	•	•
WiFi - IEEE 802.11b/g/n				•
Bluetooth - 4.2+EDR				•
Headset jack (monitoring and voice note recording)				•
Analogue measurement input channels	1	1	1	2
USB-connector	USB-mini	USB-mini	USB-mini	USB-C
USB PD3.1 fast charging				•
Including accessories (charger, cables, carrying case, wind-screen, carrying cord, manual)	•	•	•	•
Modules / functions	SM30	SM50	SM90	AM100
Sound Level Meter (SLM), IEC-61672-1:2014, ANSI S1.4 Fast, Slow, Impulse; A, C, Z freq. weighting; LEQ, SEL.	class 2 / type 2	class 2 / type 2	class 1 / type 1	class 1 / type 1
Real Time Analyzer (RTA) 1/12, 1/6, 1/3 and 1/1 octave, IEC-61260-1:2014 class 1	•	•	•	•
Fast Fourier Transform (FFT) frequency analysis	•	•	•	•
Reverberation Time (RT60), ISO-3382	•	•	•	•
Noise Curves (NR, NC, etc).	•	•	•	•
Long-term Leq logging/monitoring (e.g. LAeq15min)	•	•	•	•
Spectral logging (RTA logging & spectrograms)	•	•	•	•
Statistical acoustics (percentiles, e.g. L10 and L95)	•	•	•	•
Digital storage oscilloscope (<=20 KHz)	•	•	•	•
THD+N	•	•	•	•
Fundamental frequency estimation	•	•	•	•
AC Volt meter for line level signals	•	•	•	•
Loudspeaker Polarity measurements	•	•	•	•
Automatic level calibration procedure	•	•	•	•
Calibrated recording of audio on internal memory	•	•	•	•
Real-time calibrated USB audio device mode	•	•	•	•
Sound insulation: D, Dn, DnT, R'	•	•		
SRI / STC (sound reduction index; sound transm. class)	•	•	•	•
Remote control from PC	USB	USB	USB	USB Bluetooth WiFi
Advanced intelligibility measurements (STIPA Pro), IEC-60268-16 rev. 4 / rev. 5		•	•	•
Basic intelligibility measurements (Quick STIPA), IEC-6128-16 rev. 4 / rev. 5		•	•	•
Full STI cf IEC-60268-16 rev. 5		•	•	•
Speech Level Meter cf. IEC-60268-16 rev. 4/5 annex J		•	•	•
Integrated signal generator (STI, Noise, sines, sweeps)				•
Acoustic specifications	SM30	SM50	SM90	AM100
Self-noise (A-weighted) w/ microphone	22 dB(A)	22 dB(A)	17 dB(A)	13 dB(A)
Combined inear range RTA (with supplied mic) @ 1 kHz	22-124 dB	22-124 dB	20 -128 dB	12-130 dB
Linear range, electric input (dBuV)	21-128 dB	21-128 dB	21 -128 dB	12 -130 dB
Other	SM30	SM50	SM90	AM100
Colors	Blue and black	Gray and black	Red and black	Metal and black
Warranty (worldwide pick-up & return)	24 months	24 months	24 months	24 months

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

www.bedrock-audio.com

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