



BEDROCK
CLASS 1 INSTRUMENT
AM100



Sound Instrumentation and Calculation Software

Noise & Vibration Registration
Instruments and Software

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GN/BDR/AM100/23/V1
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BEDROCK CLASS 1 INSTRUMENT *AM100*

THE IDEAL SIGNAL SOURCE FOR STIPA AND FULL STI TESTING

The AM100 is the flagship instrument of the GA line, packing an unprecedented number of features into a robust handheld device. Following tradition, all modules come standard with every AM100, from speech intelligibility to building acoustics. The AM100 adds useful new features such as an integrated signal generator and wireless connectivity via Bluetooth and Wi-Fi. In terms of its key acoustic specifications, the AM100 is on par with far more expensive competitors - while also offering an extremely easy-to-use interface and attractive and robust design (based on glass and aerospace grade alloy). For most users, the AM100 is the only device you'll ever need.



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AM100

About the AM100

The AM100 is based on a newly developed hardware platform, with has improved specifications across the board. Its high-resolution capacitive touch display makes the device even easier to work with, while its enhanced battery life, shortened charge time and power management are improvements welcomed by many seasoned power users.

Connect wirelessly with your AM100, across distances small or large, by making use of Bluetooth or Wi-Fi. Connect a headset to listen in on your measurements directly, or to record voice annotations through your headset's microphone. Use the second input channel for advanced new measurement types. Make use of the internal signal generator for STI testing or frequency transfer measurements. Use the intuitive "top bar menus" to quickly access your settings or save a screenshot of your measurement.

Your AM100 is ready for any job - whether you are in pro audio, room acoustics, environmental acoustics, building acoustics or otherwise - the tools are all there. The AM100 is not dependent on external PC software to run complex measurements - it can all be done right on the device itself, whether you are in your lab or out in the field.



PRODUCT FEATURES

THE AM100 OFFERS THE FOLLOWING FEATURES:

- SPL meter (A/C/Z, fast, slow, impulse, eq. continuous)
- Real-Time Analyzer (RTA) with 1/1, 1/3, 1/6 and 1/12 octave resolution
- Speech intelligibility (Full STI and STIPA)
- Speech Level Meter
- Reverberation time (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
- Built-in signal generator (STI, noise, sines, sweeps)

FUNCTIONAL SPECIFICATION

FUNCTIONAL SPECIFICATIONS OF THE AM100 INCLUDE:

- Full-color capacitive touch 4" LCD touch screen
- 32 GB of internal storage, at least 30 GB available for storing measurement data and audio
- USB-C data port for file access, charging and remote control
- Wireless connectivity through Bluetooth 5.0 and WiFi (802.11n).
- Headset jack for monitoring and voice annotations.
- Easy calibration procedure
- Comes standard with Type 1 / Class 1 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-C. Works with any USB PD3 compliant charger.
- Remote control by screen cloning via USB, BT or WiFi
- Take screenshots at any time (in .PNG format)



TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS OF THE AM100 INCLUDE:

- Linear range of electronics (combined ranges) >110 dB
- Linear measuring range with included microphone: 20 to 128 dB.
- STI measurements fully compliant with IEC-60268-16 4th edition (2011).
- Type 1 / Class 1 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

ACCESSORIES

THE AM100 COMES BUNDLED WITH THE FOLLOWING ACCESSORIES:

- Ruggedized carrying case
- Microphone
- Mic diffuser ring
- World charger
- USB-C cable
- Carrying cord
- QuickStart guide
- Calibration certificate
- USB flash drive with test signals and manual
- Foam windscreen



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