BEDROCK ELITE

i10

BEDROCK ELITE

CLASS 1 INSTRUMENT

THE ULTIMATE ACOUSTIC MEASUREMENT
TOOL FOR PROFESSIONALS

www.bedrock-elite.com   EASY TO USE. RELIABLE. AFFORDABLE.

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WHY CHOOSE BEDROCK ELITE?

At Bedrock Elite, our products are designed and built by acousticians and field engineers who use these tools daily. Our mission is to save you time by creating easy-to-use, precise instruments perfect for any acoustic measurement task. As a Bedrock Elite customer, you benefit from the features we've always wanted for ourselves, plus enhancements requested by thousands of satisfied users since 2010.

KEY BENEFITS

HIGH STANDARDS, FRIENDLY PRICES
We match the quality of top European brands at more competitive prices, our meters are manufactured in the Netherlands. (COO NL).

ALL-INCLUSIVE MODULES
All our modules, including future updates, come free of charge. No hidden fees or costly upgrades.

USER-CENTRIC DESIGN
Intuitive interfaces and robust hardware ensure reliability and ease of use in any environment.

ABOUT THE i10

The Bedrock Elite i10, our flagship instrument, is engineered for versatility and precision. Its new hardware platform offers superior specifications, including a high-resolution capacitive touch display, enhanced battery life, and efficient power management.

WIRELESS CONNECTIVITY

Bluetooth & WiFi
Seamlessly connect to your i10 over various distances.

Headset Compatibility
Listen to measurements and record voice annotations through your headset.

ADVANCE FEATURES

Dual Input Channels
For complex measurement types.

Internal Signal Generator
Ideal for STI testing and frequency transfer measurements.
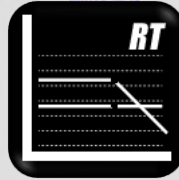
On-Device Operation
Perform complex measurements directly on the device, no PC required.

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COMPREHENSIVE MODULE LIST

THE i10 IS EQUIPPED WITH AN EXTENSIVE RANGE OF MODULES, ALL INCLUDED AS STANDARD.

FOR ACOUSTIC CONSULTANTS

- **SPL Meter** (A/C/Z, fast, slow, impulse, eq. continuous)
- **Real-Time Analyzer** (1/1, 1/3, 1/6, 1/12 octave resolution)
- **FFT Analysis**
- **Speech Intelligibility** (Full STI and STIPA)
- **Reverberation Time** (RT60)
- **Statistical Acoustics** (percentiles)
- **LEQ Logging** (A/C/Z)
- **Noise Curves** (NR/NC)
- **Sound Insulation** (R'/DnT)
- **SRI / STC**
- **Calibrated Audio Recording**
- **Built-in Signal Generator** (STI, noise, sines, sweeps)

FOR PROFESSIONAL AUDIO USERS

- **Real-Time Analyzer** (1/1, 1/3, 1/6, 1/12 octave resolution)
- **Speech Level Meter**
- **FFT Analysis**
- **Oscilloscope**
- **AC Volt Meter**
- **Fundamental Frequency** (First Harmonic)
- **Loudspeaker Polarity**
- **Calibrated Audio Recording**
- **Built-in Signal Generator** (STI, noise, sines, sweeps)

FOR ELECTRO-ACOUSTICS USERS

- **Oscilloscope**
- **AC Volt Meter**
- **THD+N**
- **Fundamental Frequency**
- **FFT Analysis**
- **Loudspeaker Polarity**
- **Calibrated Audio Recording**
- **Built-in Signal Generator** (STI, noise, sines, sweeps)

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TECHNICAL SPECIFICATION

Standard	**IEC61672-1:2013 Class1 and ANSI S1.4-2014 Type 1**
Noise Level measurement	**20 dBA to 130 dBA (up to full scale 150 dB SPL .wav record)**
Measurement microphone	**½" Free-Field with Pre-Amplifier XLR connector**
Frequency range	**20 Hz to 20kHz**
Weighting Network	**A / C / Z**
Time constant characteristic	**Fast / Slow / Impulse / Peak**
Measurement parameter	**SPL / LEQ /LMAX (Max hold)**
Decibel resolution	**0.1 dB**
Linear range of electronics	**>110 dB**
Self noise (without microphone/preamp)	**< 14 dB(A)**
Self Noise (with microphone/preamp)	**< 20 dB(A)**
STI Module	**fully compliant with IEC-60268-16 rev 4 (2011) and rev 5 (2020)**
Type/ Class	**Type 1 / Class 1 Sound Level Measurements compliant with ANSI S1.4 and IEC- 61762-1:2014.**

FUNCTIONAL SPECIFICATION

Touch Screen	**4" full-colour capacitive LCD**
Internal Storage	**32 GB internal storage** (30 GB for measurement data and audio)
Connectivity	**USB-C for data transfer, charging, and remote control**
Microphones Compatibility	**Includes a Type 1 / Class 1 measuring microphone; works with any 48V XLR microphone**
Battery Life	**5 – 8 Hours per charge**
Calibration	**Simple, precise calibration process**

ACCESORIES

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

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PURCHASE AND SUPPORT

Bedrock products are available through our global network of distributors and resellers. For the latest information on our products, firmware updates, manuals, and test signals, visit our website.

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