BEDROCK ELITE



i5

BEDROCK ELITE

STIPA METER

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 i5

The Bedrock Elite i5, Designed by the creators of STIPA, the i5 is a fully compliant, plug-and-play Speech Transmission Index meter that blends simplicity with depth. Featuring a full-color touchscreen and dual STIPA modes (Screening & Pro), it delivers IEC-60268-16 accuracy—without the learning curve. Also functions as a real-time analyzer and Class 2 SLM for unmatched versatility in speech intelligibility and acoustic measurement.

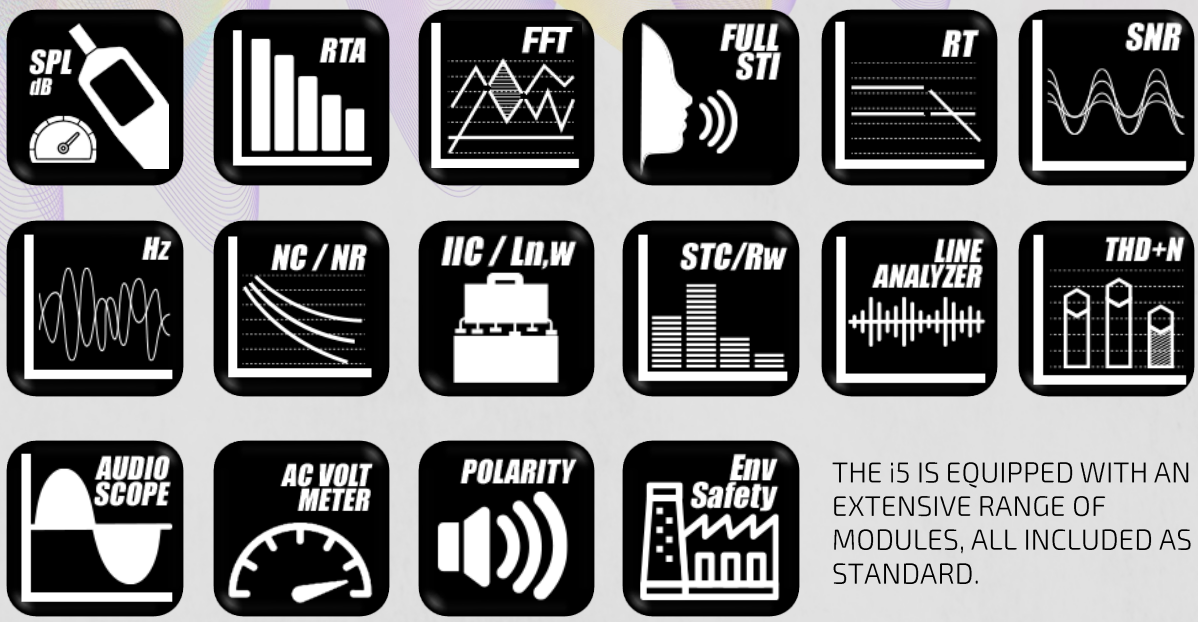
ADVANCE FEATURES

On-Device Operation
Perform complex measurements directly on the device, no PC required.

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COMPREHENSIVE MODULE LIST



THE i5 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	IEC61672-1Class2,ANSIS1.4Type2(SLM) IEC62160class0(RTA) ISO3382(RT60) IEC60268-16rev.4(STIPA/ FullSTI) ISO717,ASTME413(Rw,STC)		
Accuracy	Class2		
Measurementrange **On a typical1/4"microphone sensitivityof30mV/Pa** *Verifythelowerandupperindicationsofthe linear operatingrange	Full range 27-130 dBA 32 –130dBC 35 –130dBZ	*Lowrange 28 –121dBA 32 –121dBC 35 –121dBZ	*Highrange 44 –123dBA 46 –123dBC 47 –123dBZ
Measurementrange **On a typical½" microphone sensitivity of40mV/Pa(Optional)** *Verifythelowerandupperindicationsofthe linear operatingrange	Full range 25–144dBA 32 –144dBC 35 –144dBZ	*Lowrange 27 –118dBA 32 –118dBC 35 –118dBZ	*Highrange 39 –124dBA 41 –124dBC 42 –124dBZ
Measurement range **High sound pressure level (SPL) measurement using the PMP20 microphone (Optional)**	27 –139dBA 36 –139dBC 39 –139dBZ PeakC level 42 – 140 dB PeakZ level 55 – 144 dB		
Maximum permissible Sound PressureLevel(SPL)	155dB (Maximumelectricinputsignalis30Vpp)		
Microphone	1/4" Free-field microphone fixed 1/2" Free-field microphone IEC61094-4 WS2F designed (Optional)		
MicrophonePreamplifier connector	XLR(48Vphantompower)		
Self-noise **Electricalinput signal**	15dBA 18dBC 24dBZ		
Resolution	0.1dB		
Frequencyrange	20Hz –16kHz 48kHz,		
Sampling	Ln(10.67ms.)		

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FUNCTIONAL SPECIFICATION

Frequency weighting	A, C and Z
Time averaging and integration	Fast, Slow, Impulse, Peak
Real-Time Analyzer (RTA)	1/1, 1/3, 1/6 and 1/12 Octave
FFT analyzer	32768 lines
General measurement LEQ sampling cycle	1s, 2s, 4s, 8s, 1m, 5m, 30m, infinity (0.1s to 999s in EnviSafety mode)
Measurement parameters	SPL, LEQ, MAX, MIN, PEAK, Ln percentile 1% 5% 10% 20% 25% 30% 40% 50% 50% 70% 80% 90% 95% and 99%
Room acoustics	RT60, T20, T30, EDT Auditorium C7, Ts, C50, D50, C80 Noise curve NR, NC, PNC, NCB, RC, RCII
Building acoustics	Rw, R'w, Dn,w, DnT,w, STC Ln,w, L'n,w, L'nT,w
Speech intelligibility	STIPA Basic, STIPA Pro, SNR
Electro-acoustics	Oscilloscope, Speaker polarity, AC voltmeter, Electric RTA dBV, dBU, dBuV, %THD+N, Hz, Pitch
Display	LCD touch screen 3.2"
Data storage	16GB internal storage
Connection	USB-C for data transfer and remote display
Recording	.csv (open with Excel tool) .wav file 48kHz
Power	NiMH battery pack 4.8V nominal, typ. 2500 mAh Typical battery lifetime >4h Max. charge current 1.8A Typical power consumption 5W
Electromagnetic compatibility	Complies with EN 61326-1:2006 FCC part 15 compliant (class A device) EMC Directives 2014/30/EU Low Voltage Directive 2014/35/EU ROHS Directive 2011/65/EU EN 61000-6-3 (2007 / A1:2011) EN 61000-6-1 (2007)
Dimension	Size approx. 210 x 85 x 55 mm (excl. microphone) Weight 530g (including microphone) Rear-mounted
Material	Body housing: ABS and Aluminum 6061-T6 display frame

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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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