

Solo Black Edition

Focus on what matters!

01dB
Solo Black Edition

Performances that meet your requirements

The new generation of sound level meters: Solo Black Edition

Resulting from an ongoing innovation process, **Solo Black Edition** offers the latest technological advancements as for ergonomics, readability, operating lifetime and wireless communication.

Solo Black Edition is the first sound level meter offering an integrated multi-frequency multi level auto check of the complete measurement chain, from the microphone to the displayed level.

These new functions are a winning asset and a metrological warranty for the user.



Enhance your know-how

*In environmental acoustics
In building acoustics
In industrial acoustics
In research and education*



WIRELESS REMOTE

CONTROL module

Operate Solo Black Edition and discover mobility

- » Control your Solo Black Edition remotely from your Pocket PC
- » View and code data remotely
- » Add an oral/written comment



TRIGGER module

Code sound sources

- » Trigger events on threshold violation
- » Drive the logical output (TTL)



MEMORY module

Record and store data in the extended memory of Solo Black Edition

- » Benefit from the large memory capacity
- » Access long-term measurements (data and audio)



AUDIO module

Listen to audio recordings by Solo Black Edition

- » Play back audio recordings and identify the nature of sound sources
- » Analyse sound signals finely



AUTO CHECK module

Test the nominal operating of your sound level meter on a regular basis

- » Level linearity
- » Frequency linearity







over the whole metrological chain, including the microphone



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Solo Black Edition Technical specifications

Standards	IEC 61672-1 (2002) / NF EN 60651 (2000) / NF EN 60804 (2000) / ANSI 1.11 / ANSI 1.4 IEC 1260 (1995) / EMC IEC 61000-6-1 and 2 / EMC IEC 61000-6-3 and 4	
Metrology	Single dynamic range: 20-137 dB(A) / class 1 or 30-137 dB(A) / class 2 Leq (from 20 ms to 10 s), Lp, Lpmin, Lpmax (S, F, I), Lpk (C, Z), A, B, C and Z weightings 20 ms real-time 1/1 and 1/3 octave multispectra (12.5 Hz - 20 kHz)	
Pocket PC remote control module 	Bluetooth™ class 1 wireless communication Visual display and coding of data on the Pocket PC colour screen (LAeq, LAFp, 1/3) Written and oral comments (synchronised with the measurement file)	
Memory module 	Integrated 8 MB flash memory Extractible 2 GB extended memory on SDCard LAeq + LCpk (1s) > 99 days / LAeq + 1/3 (1s) > 99 days	
Audio module 	Metrological audio storage (min. 1h40min (51.2 kHz) / max. 13h50min (6.4 kHz)) Sampling frequencies: 51.2 kHz / 25.6 kHz / 12.8 kHz / 6.4 kHz (24 bits)	
Trigger module 	Coding on pre-programmed threshold: code (1), code (2), code (3) or code (1) + audio Activation of TTL output on threshold	
Auto check module 	Automated control of the entire measurement chain: microphone, preamplifier and digital processor. Analysis of the frequency response and of the measurement chain linearity over 4 predefined frequencies (500 Hz, 1 kHz, 2 kHz and 4 kHz) and an additional user-selectable frequency, for 3 adjustable levels	
USB transfer 	Acquisition front-end mode File transfer mode	
General performances	Typical operating lifetime LAeq (1s): 24 h (standard mode) / 16 h (remote control mode) Programmable starting modes: immediate / delayed / by periods	Parallel measurement of all indicators Time history of all indicators Languages: French, English, Spanish, German, Italian, Dutch, Portuguese, Romanian
Standard accessories	Preamplifier PRE21S Microphone 1/2" 50 mV/Pa class 1 or 20 mV/Pa class 2 Wind screen	Built-in battery and mains power supply USB and RS232 cables Fitted carrying case dBSLM32 transfer software
Optional accessories	Pocket PC Win CE™, Tablet PC Win CE™ Carrying satchel External battery charger VES21 all-weather suitcase	BAP21 outdoor microphone unit 100-m extension cord CAL21 class 1 calibrator or CAL02 class 2 calibrator
Compatible software	dBTrait: time and spectral history, event coding, automatic reports... dBBati: processing of building measurements (insulation, T60...)	dBSolo: Pocket-PC remotely controlled software USBTrig / USBBati / USBFa: time and frequency acquisition drivers in PC mode dBSolo-B (Building) and dBSolo-E (Environment)

These non contractual specifications can be changed without notice. Version: September 2010