



**01dB** extends its range of sound level meters with the new generation of **Solo, Blue Solo!!!**

The result of an ongoing innovation process, **Blue Solo** provides the user with the latest technological advances in wireless communication. Using a Pocket PC as a remote control brings comfort, flexibility and mobility to field experiments.

These new functions are an asset to the user.

### **Blue Solo,** unrivalled performances...



#### **Wireless Remote Control Module**

*Control Blue Solo and Experience mobility*

- ▶ Operate your **Blue Solo** by remote control from your Pocket PC
- ▶ Display and code events remotely
- ▶ Add voice/written comments



#### **Memory Module**

*Record data on Blue Solo's extended memory and store with no limit*

- ▶ Make the most of the large memory capacity
- ▶ Access long-time measurements (data and audio)



#### **Audio Module**

*Listen to Blue Solo's audio recordings*

- ▶ Listen to audio records and identify the nature of noise sources
- ▶ Analyze sound signals finely



#### **Trigger Module**

*Code noise sources*

- ▶ Trig events on exceeded threshold
- ▶ Control logical outputs (TTL)








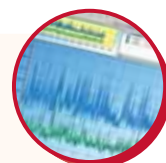
#### **Enhance** your know-how

- ▶ in environmental acoustics
- ▶ in industrial acoustics
- ▶ in building acoustics
- ▶ in research and education



# Blue Solo Technical Specifications

Features	Blue Solo
<b>Standards</b>	IEC 61672-1 (2002) / NF EN 60651 (2000) / NF EN 60804 (2000) / ANSI 1.11 / ANSI 1.4 IEC 1260 (1995) / CEM EN 50081-1 and 2 / EN 50082-1 and 2
<b>Metrology</b>	Single dynamic range: 20-137 dB(A) / class 1; 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 Real-time (from 20 ms to 10 s) 1/1 and 1/3 octave multispectra (12.5 Hz – 20 kHz)
<b>Pocket PC Remote Control Module</b> 	Bluetooth wireless communication, class 1 Visual display and coding of data on the Pocket PC color screen (LAeq, LAFp, 1/3) Written and voice comments (synchronized with measurement file)
<b>Audio Module</b> 	Metrological audio storage (min. 1h45min (51.2 kHz) / max. 13h54min (6.4 kHz)) Sampling frequencies: 51.2 kHz / 25.6 kHz / 12.8 kHz / 6.4 kHz (24 bits)
<b>Memory Module</b> 	8 MB built-in Flash memory 1 GB extended memory on removable SDCard LAeq (1s) > 100 dy / LAeq +1/3 (1 s): 8 dy 13 hr 36 min
<b>Trigger Module</b> 	Coding on preprogrammed threshold: code (.), code (..) or audio (...) TTL output activation on trigger
<b>USB transfer</b> 	Acquisition front-end mode File transfer mode
<b>General performances</b>	Typical operating life: 24 hr (standard mode) / 16 hr (remote control mode) Programmable start modes Parallel measurement of all indicators Time history of all indicators Languages: French, English, Spanish, German, Italian, Dutch, Portuguese
<b>Standard accessories</b>	Preamplifier PRE21S Microphone: 1/2", 50 mV/Pa, class1 or 20 mV/Pa, class 2 Windscreen Built-in battery and mains power supply USB and RS232 cables Carrying case dBSLM32 transfer software
<b>Optional accessories</b>	Pocket PC Win CETM Carrying pouch External battery charger Weatherproof case VES21 All-weather outdoor unit BAP21 Up to 100 m extension cable Calibrator CAL21 class 1 or CAL02 class 2
<b>Compatible software</b>	dBTrait: time and spectral history, event coding, audio recording, etc. dBBati: processing of building measurements with standardised calculation dBSolo: Pocket PC remote control software USBTrig / USBBati / USBFa: real time PC-based data acquisition software



**IRIS GmbH**  
Arenskule 9  
21339 Lüneburg

Tel: 04131 / 24 19-0  
Fax: 04131 / 2419-50



www.iris-gmbh.com  
info@iris-gmbh.com

**Büro Rhein-Ruhr:**  
Anemonenweg 16  
42489 Wülfrath

Tel: 02058 / 78 31-76  
Fax: 04131 / 2419-50

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