

Sensorbee Class 1 Noise Sensor

The Sensorbee Sound Level Meter is a robust add-on designed for seamless integration with the Pro2 unit via Modbus. Engineered for outdoor use with an IP65-rated protective housing, it features a precision measurement chain designed in accordance with IEC 61672-1 / GB/T 3785-1 and delivers IEC 61672-1 Class 1 performance (factory-verified) for A/Z frequency weighting, Fast/Slow time weightings. Verified results include 1dB-step errors $\leq \pm 0.3$ dB, total linearity $\leq \pm 0.8$ dB over 25–130 dB, self-noise < 19 dB(A). Calibration is via a standard 94 dB, 1kHz acoustic calibrator.



SB4651 - Sound Level Meter



Standards:

IEC 61672-1 Class 1, GB/T3785-1 performance. CE EMC compliance



Measurement units:

LAeq (A-weighted Equivalent Continuous)
LAmax, LAmin



Dimensions:

Ø76mm x 300mm



Power Supply:

DC 5V



Calibration interval:

once per year



Wide Dynamic Range:

Measures from 25 dBA up to 130 dBA with a dynamic range of ≥ 110 dB
Frequency Range: 10Hz~20kHz



Mounting:

Flat area or pole mount



Weight:

300 gram



Enclosure:

Stainless Steel, IP-rated and Polyamide



Interface protocol to Pro2 unit:

Modbus RTU



Operating environment:

0 to 90 %RH
-10°C to +50°C