

Features

- ✧ A pocket real-time noise measuring and/or analysis instrument
- ✧ 128x128 graphics back-lit LCD
- ✧ 100 dB Level Linearity Range
- ✧ Complies with IEC 61672 class 1
- ✧ Integrating, impulse noise and peak C sound level measurements
- ✧ Environment noise measurements is available
- ✧ 1/1 octave real-time analysis(digital filter) is available

**Specifications****PERFORMANCE SPECIFICATIONS****Standard:** Complies with IEC 61672 class 1**Freq. Range:** 10 Hz ~ 16 kHz**Meas. upper Range:** 130 dBA (re. 20 μ Pa)**Self-generated Noise:** \leq 20 dB(A), 25dB(C), 30dB(Z)**Freq. Weighting:** Parallel (simultaneous) A, C, Z**Time Weighting:** Parallel (simultaneous)F, S, I, Peak and Lin. average**Level Linearity Range:** 100 dB**A/D:** 24 bit**Sampling Frequency:** 48 kHz**Integrating Time:** Manual, 10 s, 1 min, 5 min, 10 min, 15 min, 20 min, 30 min, 1h, 4h, 8h, 24h or 1 min~59 min**Integrating Measurement Software (Basic):** Lp, Leq, Lmax, Lmin, LAE, E, Tm**Statistical Analysis Software (S00101 available):** Lp, Leq, Lmax, Lmin, L5, L10, L50, L90, L95, SD, LAE, E, Ld, Ln, Ldn, Tm**1/1 Oct Real-time Analysis Software (S00202 available):** Filter character fulfils IEC 61260 class 1, filter center frequency: 16 Hz ~ 16 kHz**INPUT****Mic.:** 1/2" Prepolarized Condenser Mic. Model AWA14425**Sensitivity:** 40 mV/Pa**Freq. Range:** 10 Hz ~ 16 kHz**Freq. Response:** Free field**Polarized Voltage:** 0 V**Ref. direction:** Axial direction of microphone**Mic. Preamplifier:** Model AWA14601**OUTPUT****Detector:** Digital detector**Indicator:** 128x128 graphics back-lit LCD**AC Output (full scale):** 1.0V AC RMS**Output Impedance:** 1 k Ω **Connector:** ϕ 3.5 mm stereo plug**DC Output :** 20mV/dB.**Output Impedance:** 1 k Ω **Connector:** DB-9 plug**RS232 Interface:** To computer for output some instantaneous sound level selected , Lmax or Leq over 1 second, also to printer for printing**USB Interface:** Available as USB interface when SD card has be selected**Memory:** 128 group data with graphics**POWER SUPPLY****Batteries:** 4 x LR6**Operating Voltage:** 4.4 ~ 6.5 V DC**Operating current:** lower then 120 mA**Battery Life:** \approx 20 hours (continuous use)**External Power:** 6 V DC, 200 mA**Connector:** mini USB**OPERATION ENVIRONMENTAL****Temperature:** -10 $^{\circ}$ C ~ 50 $^{\circ}$ C**Humidity:** 25 % ~ 90 % (R.H)**Atmospheric Pressure:** 650 hPa ~ 1080 hPa**Electromagnetic compatibility:** Comply with the requirements of IEC 61672 standard on X type**PHYSICAL****Dimensions:** 260 (H) x 80 (W) x 30 (D) mm**Weight:** \approx 350 g (including batteries)**MECHANICAL****Mounting Screw:** UNC 1/4" for direct connection to tripod**ACCESSORIES****Included:** 1/2" Prepolarized Condenser Mic. Model AWA14425 x 1 ; Windscreen S 80 mm x 1; Batteries LR6 x 4; User manual x 1**Available:** Sound Level Calibrator AWA6221; mini-printor AH40; 5 m extension cable; SLM tripod; Aluminium carrying case