

# Soft dB Monitoring Stations SLM Microphone

The Sound Level Meter (SLM) is perfect for Noise Monitoring

## Professional Measurements:

- Complies to IEC 61672/ANSI S1.4 Class 1
- Leq, Lmax, Lmin, Lpeak, and SEL in A, C, and Z weightings
- 7 Percentiles (LN%) for selected weighting (A, C or Z)
- LAFtm5 (TaktMaximal) for impulsive content
- 1/1 Octave, 1/3 Octave and FFT spectra
- Simultaneous recording of interval data and audio event
- Audio events with adaptative dynamic compression

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### Components

Product Code	
PMIC-99999	Watch Station SLM Microphone
Recommended Accessories	
PMIC-00049	Microphone Protection (without windscreen)
PMIC-00033	Microphone Protection Windscreen
PCAB-00108	BNC Cable, 4 ft.
PCAB-00139	BNC Cable, 8 ft.
PCAB-00107	BNC Cable, 12 ft.
PCAB-00100	BNC Cable, 24 ft.
USIN-00030	Horizontal Boom for Watch Station Cabinet (Holds up to 2 microphones)
QUIN-00146	Vertical pole for microphone (Holds 1 microphone)
CERT-00001	Certificate tested in accordance with procedures from IEC 61672-3 (2013)
PCAL-00012	SLM Calibrator, Class 1
QUIN-00145	Dielectric grease for cable connections

### Technical Specifications

Sound Level Meter		
Standards	IEC 61672-1/ ANSI S1.4-1 (2013) Class 1, ANSI S1.43 (2007) Type 1, IEC 60651 (1979), Amd.1(1993-02), Amd.2(2000-10) Type 1	
Certificate	Embedded Calibration Certificate in Non-Volatile Memory	
Averaging	Exponential and Linear	
Time Weightings	Slow or Fast	
Frequency Weightings	A, C and Z	
Sampling Rate	44.1 kHz	
Input Ranges	Low	High
Peak Maximum Level	110 dBZpk	130 dBZpk
Under-Range Level	33 dBA	46 dBA
Electrical Noise Level	25 dBA	38 dBA
Total Noise Level	28 dBA	38 dBA
Microphone Nominal Sensitivity	50 mV/Pa	
Microphone Technology	IEPE Condenser	
Spectrum		
Standards	IEC 61260-1/ ANSI S1.11-1 (2014) Class 1	
Averaging	Linear (Leq)	
1/1 Octave Spectrum	31.5 Hz to 8 kHz	
1/3 Octave Spectrum	20 Hz to 16 kHz	
FFT Spectrum	400 lines on 6 bandwidths from 17.2 kHz to 539 Hz	

## Technical Specifications (cont.)

<b>Interval Records</b>	
Measured Metrics	Leq, SEL, Lpeak (A, C and Z) Lmax, Lmin, (Fast or Slow, A, C and Z) LN% (1%, 2%, 5%, 8%, 10%, 50%, 90%, 95%, 99%), (Fast or Slow, A, C or Z) LAFm5 (TaktMaximal) Spectra (1/1 Octave, 1/3 Octave and FFT)
Metrics Resolution	0.1dB
<b>Audio Events</b>	
Resolution	11.025kHz, (8-bit or 4-bit adaptive dynamic compression)