

Outdoor Measurement Microphones



Outdoor Measurement Microphone
with ASD Cable and Stand

The Outdoor Measurement Microphones offer a weather-protected measurement solution for the XL2 Sound Level Meter allowing acquisition of environmental noise data in outdoor applications. The corrosion-free polymer housing, wind screen, water-repellent membrane and bird spike provide excellent protection from rain, wind, dust and perching birds.

The Outdoor Measurement Microphones M2230-WP and M2340-WP fulfill the Class 1 requirements according to IEC 61672 and ANSI S1.4 for vertical sound incidence. For compliance with horizontal sound incidence a spectral correction is employed in the associated XL2 Sound Level Meter. The Outdoor Measurement Microphone M4261-WP fulfills the Class 2 requirements accordingly.

The outdoor microphones consist of a measurement microphone and the applicable weather protection:

- M2230-WP: M2230 + WP30 Weather Protection
- M2340-WP: M2340 + WP30 Weather Protection
- M4261-WP: M4261 + WP61 Weather Protection

Features

- Class 1 and Class 2 Outdoor Measurement Microphones for vertical and horizontal sound incidence according IEC 61672 and ANSI S1.4 (with XL2)
- Excellent protection from rain and dust (IP54), wind and perching birds
- Built from corrosion-free materials
- Removable top section for easy microphone calibration
- Standard tripod mount, optional pole mount

EFFECTIVE OUTDOOR PROTECTION

The 90 mm wind screen protects the measurement microphone from rain and dust while reducing wind-induced noise by approximately 15 dB. The seamless design of the water-repellent membrane under the wind screen ensures perfect protection from rain and dust.

SYSTEM SELF-TEST

The Outdoor Measurement Microphone M2340-WP is system self-test (CIC) enabled. Automated self-tests may be performed by NoiseScout, the unattended noise monitoring solution, in combination with the XL2 Sound Level Meter. This ensures reliable operation and precise measurements.

Robust design / Easy calibration

The upper section of the weather protection is snap-on mounted and can thus be easily removed by hand for manual calibration of the measurement microphone.



TECHNICAL SPECIFICATIONS

Modell	M2230-WP	M2340-WP	M4261-WP
Microphone type	Omni-directional, free-field		
Classification with XL2 IEC 61672, ANSI S1.4	Class 1 certified	Class 1	Class 2
Dynamic range	16dB(A) - 139dB	17dB(A) - 138dB	27dB(A) - 146dB
Frequency range	5 Hz - 20 kHz		
Supply	Phantom power 48 VDC with XLR connector		
Dimensions	378 mm x 36 mm (14.9" x 1.4") Wind screen 90 mm (3.5"), 3/8" tripod mount		
Weight	430 g (15.2 oz.)		413 g (14.6 oz.)
Environmental	IP54 in vertical position protection against rain from all directions		
Order Information NTi Audio #	600 040 050 + 600 040 060	600 040 230 + 600 040 060	600 040 070 + 600 040 080
Optional Accessory	Pole Mount Adapter PM 1" Pole Mount Adapter PM 1 1/4"		# 600 040 067 # 600 040 068

All information is subject to change without notice.
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