



# M2230-WP

## Outdoor Microphone

**The M2230-WP is a weather-protected microphone 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 microphone M2230-WP fulfills IEC 61672 Class 1 as well as the ANSI S1.4 Type 1 requirements for vertical sound incidence. For compliance with horizontal sound incidence a spectral correction is employed in the associated XL2 Sound Level Meter.

The M2230-WP consists of an M2230 microphone fitted into a WP30 weather protection kit. An existing M2230 microphone can thus be converted to an M2230-WP by enclosing the microphone in the WP30 weather protection kit.

### Features

- IEC 61672 Class 1 and ANSI S1.4 Type 1 compliant for vertical and horizontal sound incidence
- Excellent protection from rain and dust (IP54), wind and perching birds
- Built from corrosion-free materials
- Removable top section for easy microphone calibration
- Standard 3/8" tripod mount
- Optional sturdy outdoor carrying case available



## Effective outdoor protection

The 90 mm wind screen protects the M2230 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.

## Free-field correction

The frequency response of the M2230-WP complies with IEC 61672 Class 1 and ANSI S1.4 Type 1 for vertical sound incidence without any compensation, while the effects of the horizontal sound incidence are compensated by a digital filter that is built into the XL2 Sound Level Meter.



### Robust design / Easy calibration

The upper section of the WP30 is Snap-On mounted and can thus be easily removed by hand for convenient and quick calibration of the measurement microphone.



## Technical Specifications

<b>Microphone type</b>	Omni-directional, free-field
<b>Classification</b>	IEC 61672 Class 1 and ANSI S1.4 Type 1 for vertical and horizontal sound incidence
<b>Dynamic range</b>	16 dB(A) - 139 dBSPL
<b>Frequency range</b>	5 Hz - 20 kHz
<b>Supply</b>	Phantom power 48 VDC with XLR connector
<b>Dimensions</b>	378 mm x 36 mm (14.9" x 1.4") Wind screen 90 mm (3.5") 3/8" tripod mount
<b>Weight</b>	430 g (15.2 oz.) M2230-WP 270 g (9.5 oz.) WP30
<b>Environmental protection</b>	IP54 in vertical position against rain from all directions
<b>NTi Audio #</b>	M2230-WP (with microphone) 600 040 055 WP30 (without microphone) 600 040 060

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