

# Outdoor kit

## Weather protection for your Sound Level Meter



- Quickly converts your handheld Sound Level Meter into an environmental monitor
- Three options:
  - WK1 for shorter measurements
  - WK2 heavy duty for longer-term measurements
  - WK3-N for the Nova sound level meter
- Very robust lockable weatherproof carrying case
- Cost effective
- Bird spikes to protect the windshield
- Rechargeable power pack
- Complete weatherproofed outdoor microphone system (WK2 & WK3-N)

Pulsar Instruments offer the option of converting your handheld instruments into either short term or longer term semi-permanent noise monitors. Environmental noise monitoring usually takes place outside and the sound level meter is therefore subjected to various weather conditions.

Rain or even heavy fog can make using a normal sound level meter outside, for long periods, impractical as moisture can damage the microphone capsule and in extreme conditions the instrument itself.



**Weather proof & robust**



**Easy to use**



**Measure noise 24/7**

Some applications require you to measure for perhaps a few hours, half a day or overnight to get adequate data to monitor a noise issue, while other applications require longer term measurements on a semi - permanent basis. Pulsar offer options for both short term and longer term monitoring with our WK1 'short' and WK2 and WK3-N 'long term' kits.

## WK1 Short Term Outdoor Kit

Please note: The WK1 short term outdoor kit is only intended for relatively short periods of measurement i.e. up to a day or overnight. If you require a system for longer measurements you should choose either our WK2 or WK3-N long-term outdoor noise monitoring kit.

To reduce cost, the pre-amplifier and microphone from the sound level meter itself are fitted within the 'waterproof' mounting system complete with windshield and bird-spikes.

The windshield system provides protection from the elements whilst the bird-spikes are needed to avoid birds perching on the windshield and affecting your noise measurements. This unit can then be mounted on a standard camera tripod.

The 10 metre cable coming from the windshield assembly is connected to the extremely robust weatherproof kit case which protects the instrument, power supply and accessories.

## WK2 and WK3-N Long Term Outdoor Kit

The WK2 and WK3-N provide the solution for more demanding outdoor noise measurement and monitoring applications. They consist of a weatherproof carrying case for the instrument, power supply and accessories which is linked via a 10 metre cable to the outdoor microphone system.

The WK2 consists of an integral tripod whilst the WK3-N is supplied with a stand-alone tripod. The windshield assembly hermetically seals the pre-amplifier and associated circuitry to prevent humidity affecting it and introducing impedance and therefore measurement errors, so the systems will work in conditions of up to 99% humidity to full performance. (Microphone not included)

The windshield / bird spike assembly employs the same weatherproofing techniques used for permanent airport monitors. The adjustable tripod legs can level the system to any surface and the 'hook' system\* can be used to attach the assembly to a nearby permanent fixture or add extra weight to the assembly.



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