



- Quickly converts your handheld Sound Level Meter into an environmental monitor
- Very robust Weatherproof Carrying Case (Lockable)
- Cost effective
- WK1 for shorter measurements
- Heavy duty WK2 for longer term measurements
- Bird spikes to protect the windshield
- Rechargeable power pack which lasts up to 5 days
- Complete weatherproofed outdoor microphone system with WK2

Pulsar Instruments plc 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.

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 'long term' kits.



## WK1 Short Term outdoor Kit

Please note: The WK1 short term outdoor kit is only intended for measurements that are for relatively short periods i.e. up to a day or overnight. If you require a system for longer measurements you should choose our WK2 long term outdoor 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.



## The WK2 Long Term Outdoor Kit

The WK2 provides the solution for more demanding outdoor noise measurement and monitoring applications. The WK2 consists of a weatherproof carrying case for the instrument, power supply and accessories which is linked via a heavy duty 10 metre cable to the outdoor microphone system. (Other lengths are available upon request).

The outdoor system consists of an integral tripod and windshield assembly which hermetically seals the pre-amplifier and associated circuitry. This is to prevent humidity affecting the circuitry and introducing impedance and therefore measurement errors, so the WK2 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 of the sealed unit 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. This 'tripod and microphone' assembly can be easily transported using its tubular carry case.



*\*The WK2 has a hook system at the top of the tripod legs to allow this to be chained down. The hook is on a standard 20mm conduit thread so that all the standard electrical fittings can be utilised to fasten the system in place. Some users mount the microphone on a vertical threaded conduit tube to place it at a special height\**



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