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MK:437 & MK:438

Heavyduty Outdoor Microphone

Features

- **Heavyduty Portable Outdoor Microphone System**
- **Compatible with CR:800A & CR:700 B Series Sound Level Meters**
- **Can be used with Class+ 1/2" Microphone Capsules**
- **Integral Windshield and Birdspikes**
- **10m cable with weatherproof connections**
- **Replaces MK:425 Microphone System**

Operation

The MK:437 and MK:438 outdoor microphone systems are purpose designed outdoor microphone systems, for use as part of a portable or semi-permanent acoustic measurement system. The microphones are powered by the sound level meter or data logger to which it is connected via the screened and waterproof cable.

Normally, the MK:437 or MK:438 are used in conjunction with one of the Cirrus brand outdoor measurement kits which contain the required sound level meter and have a waterproof connector on the side to connect to the microphone.

However, the MK:427 and MK:438 units are ideal for use with other noise measurement systems and equipment, and can be used to provide a weatherproof microphone capability. The units are supplied *without* microphone capsule allowing a range of Class+ capsules to be specified depending upon the measurement application.

The height of the microphone capsule can be set to be between 1.2 and 1.5 meters by adjusting the integral tripod legs.



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Technical Information

The MK:437 and MK:438 Outdoor microphone systems are supplied **without** a Class+ 1/2" pre-polarized electret capsule. This allows the microphone capsule from the associated Sound Level Meter to be used. A microphone capsule may be ordered separately for use with the unit. Any of the Class+ 1/2" pre-polarized electret capsules may be used. See below for microphone options.

The unit is supplied with a 10m cable and a windshield to reduce wind noise and to protect the capsule from adverse weather conditions. The microphone cable may be supplied un-terminated to allow connection to different types of noise measurement systems.

The unit is also supplied with an integral tripod allowing the unit to be used as supplied. The legs of the tripod can be adjusted for use on uneven ground. A ground hook is also included to allow the microphone unit to be secured to prevent theft.

The MK:437 and MK:438 units have replaced the MK:425 Outdoor Microphone system.

Ordering Information

Two variants of the microphone system are available. The particular variant required is determined by the instrument to which the microphone is to be connected. Two different versions of the unit are available with different preamplifiers. These units are:

- MK:437 with MV:200B Preamplifier, compatible with the CR:703B Sound Level Meter
- MK:438 with MV:200C Preamplifier, compatible with the CR:800A Sound Level Meter

If the units are to be used with a Sound Level Meter, the microphone capsule supplied with the Sound Level Meter should be used. Alternatively, a Class+ microphone capsule can be specified. The following microphone capsules are recommended for use with the MK:437 and MK:438 units:

- MK:224 Class 1+ 1/2" Microphone Capsule
- MK:226 Class 1 1/2" Microphone Capsule
- MK:216 Class 2+ 1/2" Microphone Capsule



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