

KA018 Weatherproof Sound Meter Enclosure

The Castle Weatherproof Sound Meter enclosure is designed to make long term outdoor noise monitoring simple and effective. With a range of Sound Level Meters to go into the kit, an optional printer and DAT recorder, these boxes open up a huge range of possibilities for longer term monitoring both indoors and out



Ideal for boundary noise measurements, Statutory noise nuisance monitoring, Night time Noise Levels and general consultancy work, the enclosure operates from an internal battery pack which will run the data-logger for up to 150 hours (dependant upon usage). Alternatively, it can be run continuously from the mains - even outside, with a weatherproof cable!!

There are weatherproof connectors on the outside of the case that allow access to all the instrument connections, e.g. microphone, power in, signal out and DAT switching. A choice of two weather-proof microphone enclosures is available for either occasional or longer-term outdoor use. These connect to the case via weatherproof cabling.

Features

- Up to 150 hours run time (dependant on usage) and 15 hour charge time for internal batteries.
- Available for all Vocis models of Sound Level Meters (see individual specification sheet)
- Tough, weatherproof case withstanding 900Kg loads.
- External weatherproof connectors
- 'Hot-swap' for battery replacement in the field without turning off the sound meter
- Choice of short- or longer term microphone enclosures for outdoor use.
- Available in Yellow or Black.
- Security kit available
- Port replication on outside of case for simple downloading to laptop in the field

Specifications

Battery Life

Approximately 150 Hours Continuous With Full Charge

Approximate Weights

12V 17Ah Battery = 6.1 Kg
KA018 Empty Case = 5.0 Kg
KA018 Combined Overall = 11.5 Kg

AC output

0.953V rms at full scale deflection on each range into loads > 10K Ohms.
Output is short circuit protected and is not affected by Weightings.

Ambient Operating Conditions

Temperature -10°C to +50°C
Relative Humidity 30 to 90%



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Castle
advanced sound solutions



Weatherproof Microphone Enclosure

Using sound measuring equipment outdoors requires the microphone to be protected from the elements with the use of a weatherproof enclosure. Factors to consider in the selection of such an enclosure include the length of time a microphone is to be left unattended, the level of weather protection needed and the method of mounting

Castle offer a choice of devices depending on the above requirements. The MW400 is a 'short term use' enclosure which means that it will provide satisfactory protection for up to a week of mixed weather conditions. Too much rain may soak through to the microphone, which may cause the need for an expensive repair. The MW401 comes complete with it's own pre-amplifier and in-built dehumidifier. It also has a more advanced protection system, making it suitable for longer term monitoring. Both enclosures incorporate anti-bird spikes and can be adapted to fit most tri-pods or stands.



noise



vibration

MW400 – Short Term Outdoor Use Enclosure



SPECIFICATIONS

ENCLOSURE

Diameter:	120mm (Widest Section)
Length:	300mm (Including spikes)
Weight:	165g
Tripod Threads:	??????

ORDERING CODES

KA018 – Weatherproof Enclosure for Vocis
KA018-BATT – Spare battery for KA018 (2 required)
KA015 – External Battery Case for KA018
MW400 – Short-term outdoor microphone enclosure
MW401 – Long-term outdoor microphone enclosure
KT102 – Heavy Duty Tripod (up to 1.6m)
KT103 – Professional Tripod (up to 1.6m)
KT104 – High Level Tripod (up to 5m)



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MW401 – Long Term Outdoor Use Enclosure



SPECIFICATIONS

ENCLOSURE

Diameter:	90
Length:	390mm
Weight:	550g
Tripod Threads:	5/8", 1/2", 3/8"

DEHUMIDIFIER

Type:	TA202
Diameter:	12.7mm
Length:	39.5mm
Weight:	15g

PRE-AMPLIFIER

Type:	Castle MKDXP
Diameter:	12.7mm
Length:	120mm
Weight:	60g

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