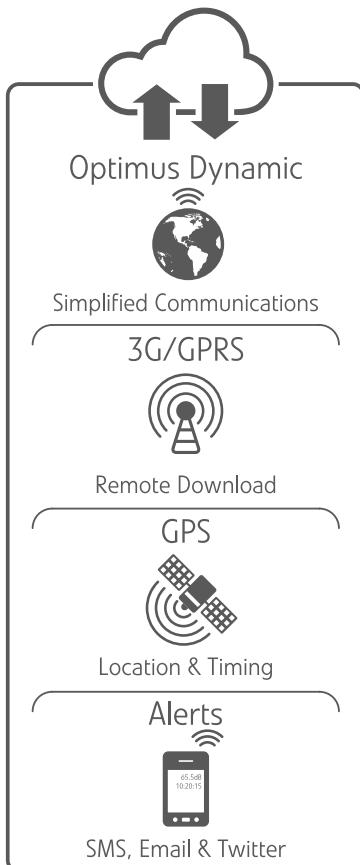




## CK:680 Outdoor Noise Measurement Kit for the optimus green Sound Level Meters with 3G/GPRS & GPS



### Optimus Cloud



#### Features

- Fully weather protected outdoor noise measurement kit
- Remote download of measurement data over 3G/GPRS connection
- GPS location data stored with each measurement
- Automatic synchronisation of the instrument clock to the GPS time signal
- Live alerts via Email, SMS or Twitter when an Acoustic Fingerprint template is activated
- Provides weather protection for an optimus green sound level meter & microphone
- Battery power for 6 days operation with one standard battery pack (supplied)
- Additional battery pack provides an additional 6 days power for up to 12 days operation
- External power connection for longer operation
- Secure lockable case with space for all standard instrument accessories
- Standard 10m microphone cable
- Optional microphone extension cables up to 100m
- Optional tripod available

#### Overview

The CK:680 outdoor noise kit is suitable for use with the optimus green sound level meters and provides you with a complete outdoor noise measurement solution for environmental and community noise monitoring.

#### Remote data download & GPS location

The internal modem in the CK:680 kit allows the optimus to communicate with the NoiseTools software remotely over a 3G/GPRS connection.

The instrument can be configured remotely and measurement data downloaded into the NoiseTools database.

This can also be used by the optimus to send alerts via SMS, Email and/or Twitter when the Acoustic Fingerprint™ detection templates are triggered.

The CK:680 also contains GPS system which allows the position of the noise measurement to be recorded and stored with the noise data. The GPS signal is also used to ensure that the clock in the sound level meter is accurate.

#### Protection for your sound level meter

The CK:680 outdoor noise kit has been designed to protect the sound level meter and the microphone capsule from adverse weather and other contaminants that may affect the measurements.

The windshield on the outdoor microphone has a protective coating which allows it to resist rain.

The robust, lockable case contains the sound level meter and a battery pack capable of powering the instrument for 6 days. A further battery pack can be added quickly to extend the operation to 12 days and the battery packs can be hot-swapped for uninterrupted operation.

# Ordering Information

Each battery pack contains an intelligent charging system to maximize the performance and maintain the operating life over a long period of time.

The case can be locked for security when measurements are being made and can be used to transport all of the parts of the system. The case also has space for the outdoor microphone, cable, an acoustic calibrator, documentation and other accessories that may be needed as well as for the sound level meter itself. The outdoor microphone mounts onto a standard tripod. A suitable tripod can be supplied as an option if required.

## CK:680 Outdoor Noise Measurement Kit

## Optional accessories for the CK:680

Reference Description

CK:680 Outdoor Noise Measurement Kit for optimus green sound level meter includes Weatherproof case with space for sound level meter, calibrator, 2 x battery packs & outdoor microphone  
1 x ZE:100 Battery Pack for 6 day operation  
MK:170 Outdoor Microphone with 10m microphone cable

Reference Description

ZE:100 Battery Pack  
CT:3 Tripod for MK:170 Outdoor Microphone  
CT:7 Heavyduty tripod for MK:170 Outdoor Microphone

## The CK:680 Outdoor Noise Measurement Kit is compatible with the following optimus sound level meters:

CR:1710 Class 1 optimus green sound level meter with Data Logging (4GB Memory), Audio Recording & VoiceTag™

CR:171A Class 1 optimus green sound level meter with Data Logging (4GB Memory), 1:1 Octave Bands, Audio Recording & VoiceTag™

CR:171B Class 1 optimus green sound level meter with Data Logging (4GB Memory), 1:1 & 1:3 Octave Bands, Audio Recording & VoiceTag™

CR:171C Class 1 optimus green sound level meter with Data Logging (4GB Memory), 1:1 & 1:3 Octave Bands, Audio Recording, Tonal Noise Detection & VoiceTag™

## Additional Information - SIM Card

The CK:680 Outdoor Kit uses a 3G/GPRS Modem and SIM Card to provide connectivity to the Optimus Cloud system and then onto the NoiseTools software.

Cirrus Research plc can provide a suitable SIM card that has been specifically designed for use with this system or alternatively customers can use their own SIM card.

Please note that there are specific requirements for the SIM Card and these must be met otherwise the connection between the NoiseTools software and the optimus sound level meter will not be possible.

Please contact Cirrus Research plc for details or visit [www.cirrusresearch.co.uk/library](http://www.cirrusresearch.co.uk/library) and download **Technical Note 34 - SIM Card requirements for the CK:680 Outdoor Kit.**

