SONIK

SONIK·S & SONIK·SE

SONIK·S Sound Level Meter
for Occupational Noise Assessments

SONIK·SE Sound Level Meter
for Occupational & Environmental Noise Assessments

Sound meters that do exactly what you need them to.

Castle GROUP

SONIK
SONIK·S & SONIK·SE

Workplace & Environmental Noise Measurements with Castle SONIK

SONIK-S & SONIK-SE Class 1 & Class 2 Sound Level Meters

- **Easy Operation and Setup**
- **24+ Hours Battery Life**
- **On-Going Warranty**
- **Fully compliant to IEC 61672-1:2013**
- **Simultaneous Measurements**
- **Multiple Applications**

SONIK-S

The SONIK-S helps you protect your workforce from over exposure to noise, and helps you ensure your company is complying with The Control of Noise at Work Regulations 2005.

With it's simple measurement set up and intuitive interface, the SONIK-S makes conducting occupational noise surveys simple and straightforward.

SONIK-SE

If you also need to carry out Environmental Noise surveys, choosing the SONIK-SE will provide you with a host of environmental parameters that are required for applications such as BS4142 (Complaints about industry), BS5228 (Construction Noise), Planning Guidance and Boundary Monitoring to name just a few.

Ensure you're measuring the correct data by simply choosing one of the pre-set measurement templates, allowing you to easily switch between measuring for Occupational or Environmental noise applications.

If any of your applications require you to measure very low noise, the SONIK-E boasts full environmental parameters with a wide measurement range of 20dB – 130dB.

Software

You can analyse your data using either secure Cloud or PC based software that's free and simple to use, or if you simply want to write them down you can view your results directly from the large colour screen.

With SONIK's long lasting battery life, this powerful meter is ready to get the job done for you.

SONIK Features

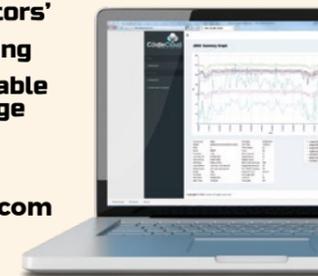|	
Hearing Protection using the HML method (via software)	Measures Lp, Leq, Lmax, Exposure Pa2h, Lep'd, %Dose, %Dose Per Hour, Points, Points Per Hour
Noise at Work Parameters	L10, L90, L(user) LE (SONIK-SE only)
Environmental Parameters (SONIK-SE only)	Measures parameters simultaneously including LAeq, LCeq and CPeak
4Mb internal flash memory – up to 4000 results	Under range and Overload indicators
PC or Cloud based software included (Upgrades available)	User selectable Exchange rate, Threshold and Criterion level.
24+ Hours Battery Life	A, C or Z frequency weighting selection
Measure from 25dB up to 140dB	A, C or Z Peak Measurements
Class 1 or Class 2	'Slow', 'Fast' and 'Impulse' time weighting selection

Secure, instant & globally available data

The Sonik meter can be used with a computer connected to TheCastleCloud.com ensuring your data is always available and secure.

The Castle Cloud — MEASURE•ASSESS•SHARE

- **Starter Account Completely FREE**
- **Powerful Database System**
- **Numerous 'Calculators'**
- **Customised Reporting**
- **PRO accounts available for increased storage & features.**

for more information visit
www.thecastlecloud.com

dBdataLite

Free Noise Download Software

Having instant access to all of the data on one screen means better decision making and streamlined operation.

With all the data on-screen, dBdata allows you to manage the data-files, copy out the data you want and print reports directly to hard-copy.

Upgrade to Analysis

For increased functionality, there is the option to upgrade to the full dBdataPRO software, which gives the benefit of greater data-manipulation, graphical-views and analysis for hearing protection, dose calculations and NR curves.

SONIK·S & SONIK·SE

SPECIFICATIONS

Instrument Standards:
IEC 61672-1: 2013 Class 1 or Class 2 Group X
IEC 61672-1: 2002 Class 1 or Class 2 Group X
IEC 61252:1993/AMD2:2017

ANSI S1.4:2014 ■ ANSI S1.25:1991 R2007

Level Ranges:

Range Name	Linear Range	Peak Range
Low	25 - 100 dB	40 - 103 dB
Medium	45 - 120 dB	60 - 123 dB
High	65 - 140 dB	80 - 143 dB

Frequency Range
1 Hz - 20 kHz (electrical characteristics)
Class 1: 10 Hz - 20 kHz (including microphone)
Class 2: 20Hz - 8kHz (including microphone)

Measurement Channels: Two

Parameters:
SONIK-S
Lp, Leq, Lmax, Lpeak, Exposure Pa2h, Lep'd, %Dose, %Dose Per Hour, Points, Points Per Hour, Under Range, Overload

SONIK-SE
As SONIK-S, plus LE, L10, L90 and either L1, L5, L50, L95 or L99

Linear Operating range: 75 dB

Frequency Weighting:
'A', 'C' and 'Z'
Combinations of 'A', 'A'&'C' simultaneous or 'A'&'Z' simultaneous available for Lp, Leq and Lmax

Time Weighting: 'Slow', 'Fast' and 'Impulse'

Percentiles (SONIK-SE only):
L10, L90 and either L1, L5, L50, L95 or L99

Exchange rate: 3dB, 4dB or 5dB

Criterion Level: 75dB, 80dB, 85dB or 90dB

Threshold Level: -5dB, -10dB or OFF

Memory: 4MB – Up to 4000 Data Intervals Maximum in one or multiple recordings

Languages
English UK, English US, Chinese, French, German, Italian, Portuguese Brazilian, Russian, Spanish, Dutch, Greek.

Quick Setup Modes (SONIK-SE Only):
Noise at Work, Environmental, All Parameters

Microphone:
Class 1: ½" Pre-Polarized - Free Field (IEC) Pressure (ANSI) Sensititvity (25mV/Pa).

Class 2: ½" Pre-Polarized - Free Field (IEC) Pressure (ANSI) Sensititvity (25mV/Pa)

Microphone Preamplifier:
Low Noise, Removable Preamplifier

Noise Floor (Typical):
'A' Weighting < 16.0dB
'C' Weighting < 17.2dB
'Z' Weighting < 18.9dB

Display: 2.4" Full Colour TFT 240x320 pixels

Batteries:
4 x AA (1.5V) - Typically 24+ hours continuous use (screen settings dependent)

External Power: Micro USB type B, 0.5A

Connections:
Micro USB type B

Environmental:
Temperature Operating Range: -10 to + 50°C
Humidity: Up to 90% RH Non-Condensing

Case:
High Impact ABS plastic with membrane keypad

Size and Weight
Dimensions:
Including Pre-Amplifier:
260mm (H) x 67mm (W) x 26mm (D)
Excluding Pre-Amplifier:
184mm (H) x 67mm (W) x 26mm (D)

Weight:
207g (Without Batteries)
300g (With Batteries)

Who Are Castle?

Castle Group Ltd is a multi faceted company specialising in equipment and knowledge within the health, safety and environmental sectors.

At Castle we are all about tackling issues in a way most appropriate to you. If you want to purchase or rent some equipment and learn to manage a job yourself, then great; if, however, you just want us to come and do it all for you – equally great and there's any measure in-between.

for more information visit
www.castlegroup.co.uk

Your Local Distributor

OUR OTHER WEBSITES & SERVICES

www.castleshop.co.uk
Our full range of measurement and monitoring equipment for industry. Available to buy online now.

www.castlegroup.co.uk/products
Castle Core Products for Vibration, Noise, Gas Detection, Air Sampling, Lone Worker Devices and more.

www.castlegroup.co.uk/rent
The best Measurement & Monitoring Equipment at a fraction of the cost price. Available Immediately.

www.castletrainingacademy.com
A whole variety of Industry Specific Training Courses. 5 Star Training Venues, On-Your-Site Delivery, E-Learning.

www.castle-consultancy.com
Employ our World Class Expertise in a Full Spectrum of Technically Challenging Subjects and Industries.

www.castlecalibration.com
Quick Turn-around Professional Calibration & Repairs by Highly Trained Engineers. Free Quotations

Tel: +44(0)1723 584250   e: sales@castlegroup.co.uk