

SKC Noise and Sound Instruments

Bringing Ease to Occupational Noise Monitoring and Environmental Noise Studies

Do you perform noise surveys on a regular basis? For many industrial hygienists and other OEHS professionals, noise surveys are a daily or weekly occurrence. However, just as many professionals are only called to measure noise exposures monthly, yearly, or when a complaint arises. In all cases, having instruments that you can pick up, set up, and use in just a few minutes without complex decision-making is essential to efficiency and collecting accurate data.



SKC's Team of Certified Occupational Hearing Conservationists (COHCs), with its decades of combined experience in noise instrumentation, collaborated with industrial hygienists and design experts to determine key features that OEHS professionals have on their noise instrument wish list and then went to work! The result is the easiest-to-use noise dosimeter available, two sound level meters that meet all your occupational and environmental monitoring needs, and a highly accurate acoustic calibrator.

We invite you to look inside this brochure for more information on these best-in-class tools that will help make your occupational noise monitoring easier and support your Hearing Conservation Programs. Choosing SKC Noise Instruments is a passport to expertise and excellent customer and technical support.



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**The Leader in Sampling Solutions and
Expertise for OEHS Professionals**

www.skcinc.com

NoiseCHEK Personal Noise Dosimeter

Ease of Use, Accuracy, Intrinsic Safety, Reliable Value

SKC's Team of COHCs designed the NoiseCHEK Personal Noise Dosimeter specifically for industrial hygienists and other OEHS professionals. What that means for you is more ease of use, features, and data in your palm than any Class 2 dosimeter available. Choose NoiseCHEK to experience seamless noise measurement and the high level of SKC quality, service, and expertise you trust.

KEY FEATURES

- Voice note recording
- Range: 70 to 140 dB
- Four virtual dosimeters
- Automatic calibration with AcoustiCHEK
- 40 to 4000+ hours data storage
- 1/1 and 1/3 octave band filters standard
- On-board history viewing
- Motion sensor
- Bluetooth® Low Energy (BLE) communications – non-BLE models available
- Mobile app for iOS and Android



Secure magnetic charging dock available in 1 or 5-unit models. Provides USB connection to PC for use with DataTrac dB Software.



The Department of Defense decided to award our firm a health and safety services contract on the last day of the fiscal year. The timing and volume of exposure monitoring required us to source noise dosimeters ASAP. After careful research and consideration, we decided to purchase 50 SKC NoiseCHEK dosimeters. SKC was able to deliver all the units faster than their competitors and provided a higher level of technical support during the global pandemic. Our IHs loved the user-friendly nature of the dosimeters and raved about how the mobile app allowed them to monitor conditions in real-time mitigating potential issues with data collection. Employees of our client also gave good reviews about the size, weight, and wireless attributes of the dosimeters. The SKC NoiseCHEK is a superior dosimeter to others in the marketplace.

Damien Hammond, President
Windjammer Environmental
Suitland, MD

Connect with NoiseCHEK

SmartWave dB app for BLE Models Free for iOS and Android Tablets/Phones

- Start/pause/stop NoiseCHEK
- View setup and monitor readings for up to four virtual dosimeters
- View octave band and history
- Add and review field notes on history files
- Generate and email/text compliance reports

Visit skcinc.com/smartwave

DataTrac dB Software Free Download to PC

- Update device firmware
- Set up as many as four virtual dosimeters
- Program sampling times
- Enable/disable device lockout
- Set custom time for projected pTWA/pDose
- Review notes, voice notes, and audio recordings
- Create exclusion and offset zones, "What If" scenarios
- Generate and share data and compliance reports with graphs

Visit skcinc.com/datatracsoft

PERFORMANCE PROFILE

Measuring Range: 70 to 140 dB, Peak level to 143 dB

Weighting: A, C, and Z; peak C or Z

Response Time: Fast and slow

Exchange Rate: Selectable from 3, 4, or 5 dB

Virtual Dosimeters: Program up to 4 for simultaneous monitoring of OSHA HC, OSHA PEL, MSHA HC, MSHA PEL, ACGIH®, or custom

Octave Filters: 1/1 or 1/3 octave bands

Voice Note: Up to 44s, can be disabled

Audio Recording: Activated when sound pressure exceeds set value, can be disabled

Display: Continuously on, TFT monochrome, front-lit 1.8 in (45.72 mm), displays user-selectable data for each virtual dosimeter including: SPL, Lavg, Leq, Dose, Peak, TWA, projected dose and TWA, and exposure

Standards: ANSI S1.25:1991, IEC 61252:2017

Data Storage: 40 to 4000+ hrs depending on configuration (datalogging is every 1 sec or 60 secs)

Connectivity: Bluetooth Low Energy (BLE) to mobile device with SmartWave dB app; USB to PC with DataTrac dB software; non-BLE models are available

Run Time: 40+ hrs

Power: Li-Ion* polymer rechargeable battery, 3.7 V, 1200 mAh


Dimensions: 3.9 x 1.9 x 2 in (9.9 x 4.8 x 5.1 cm)

Weight: 4.1 oz (117 gm)

Certifications: Intrinsic safety - UL913, CAN/CSA C22.2, ATEX, IECEx, UKEX. **Other** - CE, UKCA

* NoiseCHEK dosimeters are shipped with Li-Ion batteries and are subject to special shipping regulations.

ORDERING

NoiseCHEK with BLE	Not Intrinsically Safe Cat. No.	Intrinsically Safe Cat. No.
Single Kit includes dosimeter*, 1-unit charging dock with power supply, USB cable, and USB drive with manual, in a protective carry case 	701-001K	701-001KS
Single Kit with Class 2 Calibrator includes dosimeter*, 1-unit charging dock with power supply, AcoustiCHEK Calibrator, USB cable, and USB drive with manual, in a protective carry case	701-001K-C	701-001KS-C
3-pack Kit with Class 2 Calibrator includes 3 each: dosimeters*, 1 each: 5-unit charging dock with power supply, AcoustiCHEK Calibrator, replacement windscreen, USB cable, and USB drive with manual, in a protective charging carry case	701-001K3-C	701-001K3S-C
5-pack Kit with Class 2 Calibrator includes 5 each: dosimeters*, 1 each: 5-unit charging dock with power supply, AcoustiCHEK Calibrator, replacement windscreen, USB cable, and USB drive with manual, in a protective charging carry case	701-001K5-C	701-001K5S-C

 Requires calibration using AcoustiCHEK Calibrator sold separately; see Accessories

Accessories and Replacement Parts	Cat. No.
AcoustiCHEK Calibrator , Class 2, for 1/2-inch microphones, includes AA batteries and Certificate of Manufacturer Calibration	703-002
1-unit Charging Dock provides charging and connection to PC, includes power supply (100-240 V)	701-002
5-unit Charging Dock provides charging and connection to PC, includes power supply (100-240 V)	701-003
Replacement Windscreen	701-004
Replacement Microphone , 1/2 inch	701-005

More NoiseCHEK Kits and models without BLE, voice notes, or audio recording are available.
Visit www.skcinc.com/noisechekis.

SoundCHEK Sound Level Meter

Essential

Easy and Versatile for Basic Workplace Noise Assessments

SKC SoundCHEK Essential is exactly what you need to perform basic workplace noise assessments and can be used with the SKC NoiseCHEK Personal Dosimeter to make noise surveys easy and accurate. Get easy setup, intuitive operation, and high versatility in a sound level meter—all at a great value. SoundCHEK Essential by SKC gives you a direct line to the experts you trust for quality, service, and support.

KEY FEATURES

- Highly intuitive operation
- Range: 25 to 140 dB
- Fast switching between applications
- OSHA setting displays exposure parameters (Lavg, TWA, %Dose)
- User-selectable parameters
- Timer and datalogger
- Powered by alkaline batteries
- Easy calibration with AcoustiCHEK
- Ergonomic, lightweight
- Free cloud-based app and PC-based software (upgradable)
- Multi-language



Supplied in a protective case with foam that accommodates the AcoustiCHEK Calibrator (Calibrator sold separate—see ordering on p. 5.)



APPLICATIONS

The SKC SoundCHEK Essential Sound Level Meter is ideal for measuring and characterizing workplace sound or noise as an important part of your noise surveys.

- Building acoustics
- Industrial noise control
- Machinery noise analysis
- Construction assessments
- Road and railway traffic noise studies

Data Storage/Management

CHEKbox

Cloud based via PC

- Free secure starter storage; upgrade to Pro is available
- Powerful employee and exposure database
- Calculators for dose and hearing protection
- Site plans with locations and more

Visit skcCHEKBox.com

DataCHEK^{dB} / DataCHEK^{dB} PRO

PC based

- Available as a free download
- Upgrade to Pro for expanded features and analysis
 - Graphical views
 - Analysis for hearing protection
 - Dose calculations

[Contact SKC for details](#)

PERFORMANCE PROFILE

Class: Available in Class 1 or 2

Measuring Range: Linear 25 to 140 dB; Peak 40 to 143 dB

Frequency Range: 20 Hz to 20 kHz

Weighting: A, C, and Z

Response Time: Fast, slow, and impulse

Measurement Channels: 2

Exchange Rate: 3, 4, and 5 dB

Threshold Level: Off, -5 dB, -10 dB

Parameters: Lp, Leq, Lmax, Lpeak, Exposure Pa2H, Lep'd, LAVG, TWA, %Dose, %Dose Per Hour, Points Per Hour, Under Range, Overload

Standards: Meets ANSI S1.4:2014, ANSI S1.25:1991 R2007, IEC 61672-1:2013 Class 1 or Class 2 Group X

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

Datalogging/Time History: 1 sec to 24-hr interval options

Memory: 4 MB – up to 4000 data intervals

Connectivity: USB

Run Time: Up to 24 hrs (on battery power)

Power: 4 AA batteries or USB



Dimensions: 8.3 x 2.8 x 1.2 in (21 x 7.1 x 3 cm), includes microphone

Weight: 10.6 oz (300 gm) with batteries

Display: 2.4 in, full color TFT 240 x 320 pixels

Certifications: CE, UKCA

ORDERING

Description	Cat. No.
SoundCHEK Essential includes Class 1 meter , rubber boot, 4 AA batteries, USB cable, wrist strap, windscreen, and USB drive with manual, in a protective carry case 	702-001
SoundCHEK Essential includes Class 2 meter , rubber boot, 4 AA batteries, USB cable, wrist strap, windscreen, and USB drive with manual, in a protective carry case 	702-002

 Requires calibration using AcoustiCHEK Calibrator sold separately; see Accessories

Accessories and Replacement Parts	Cat. No.
AcoustiCHEK Calibrator Class 1, with built-in barometer	703-001
Class 2	703-002
Replacement Microphone, Class 1 , ½-inch pre-polarized 25 mV/Pa electret capsule	702-020
Replacement Microphone, Class 2 , ½-inch pre-polarized 25 mV/Pa electret capsule	702-019
Replacement Windscreen , 2.5-inch diameter for ½-inch microphones	702-016
Replacement Pre-amp Assembly for SoundCHEK Essential	702-023

Learn more at www.skcin.com/noise

SoundCHEK Sound Level Meter

Connect

Cloud-connected for Multiple Applications

SKC brings wireless connectivity to sound measurement with SoundCHEK Connect Sound Level Meters. Perform measurements with one of the easiest-to-use instruments on the market while data stores in your secure cloud account, ready for reporting. SoundCHEK Connect works just as easily in non-wireless environments. SoundCHEK Connect by SKC gives you a direct line to the experts you trust for quality, service, and support.

KEY FEATURES

- Intuitive operation
- Range: 25 to 140 dB Linear and 40 to 143 dB Peak
- Dual measurements
- Selectable parameters
- Dual time histories as short as 10 ms
- Wi-Fi connectivity
- Octave band analysis options (1/1 and 1/3)
- Built-in Hearing Protection Database
- Advanced timers and datalogging
- Virtual keyboard to label measurements
- Audio files and measurements splittable to custom duration
- Voice memo standard
- Easy calibration with AcoustiCHEK
- Free cloud data storage
- Multi-language



Data Storage/Management

CHEKbox

Cloud-based via Wireless

- Free secure starter storage; upgrade available
- Powerful employee and exposure database
- Calculators for dose and hearing protection
- Site plans with locations and more

Visit skcCHEKBox.com

APPLICATIONS

The SoundCHEK Connect Sound Level Meter provides ease of use and flexibility for monitoring noise in the workplace and for environmental and safety applications.

- Construction noise monitoring
- Perimeter noise monitoring
- Short and long-term noise monitoring
- Tonal noise assessments to 1/3 octave (model dependent)

PERFORMANCE PROFILE

Class: Available in Class 1 or 2
Measuring Range: Linear 25 to 140 dB; Peak 40 to 143 dB
Frequency Range: 20 Hz to 20 kHz
Weighting: A, C, and Z; peak C or Z weighted
Response Time: Fast, slow, and impulse
Measurement Channels: 2
Exchange Rate: 3, 4, 5, and 6 dB
Threshold Level: Off, 70, 75, 80, 85 dB
Parameters: Lp, Leq, Lmax, L/min, Peak, LAE, L10, L90, and 1 user-definable value
Standards: Meets ANSI S1.4:2014 and IEC 61672-1:2013
Languages: English UK and US, Chinese, French, German, Italian, Portuguese, Brazilian, Russian, Spanish, Dutch, Greek

Datalogging/Time History: 1 sec to 24-hr interval options
Memory: 32 GB
Connectivity: USB, Wi-Fi
Run Time: Up to 8 hrs (on battery power)
Power: 4 AA batteries or USB
Dimensions: 8.3 x 2.8 x 1.2 in (21 x 7.1 x 3 cm), includes microphone
Weight: 10.7 oz (305 g) without batteries
Display: Full color, 1.5 x 2 in (3.8 x 5 cm)
Certifications: CE, UKCA

ORDERING



	Sound Level Meter	Sound Level Meter S0	Sound Level Meter SE	Sound Level Meter SE0
Class 1 Class 2	702-003 702-009	702-004 702-010	702-007 702-011	702-008 702-012
Parameters: Lp, Leq, Lmax, Lmin, Peak, LE	●	●		
Parameters: Lp, Leq, Lmax, Lmin, Peak, LE, Ltm3, Ltm5, Lday, Levening, Lnight, Ldn, Lden, NA, 10 definable Ln values			●	●
1/1 Octave Module		●		
Statistics and Event Recording Module			●	●
1/1-1/3 Octave Modules				●
Hearing Protector Calculator	●	●	●	●
Meets ANSI S1.4 2014 and IEC 61672-1:2013	●	●	●	●
Wi-Fi Connectivity: Also connects with PC via USB with direct .csv file output	●	●	●	●

All models include meter, rubber boot, 4 AA batteries, USB cable, wrist strap, windscreen, and USB drive with manual, in a protective carry case

Requires calibration using AcoustiCHEK Calibrator sold separately; see Accessories

Accessories and Replacement Parts	Cat. No.
AcoustiCHEK Calibrator Class 1, with built-in barometer	703-001
Class 2	703-002
Replacement Microphone, Class 1, 1/2-inch pre-polarized 50 mV/Pa electret capsule	702-021
Replacement Microphone, Class 2, 1/2-inch pre-polarized 25 mV/Pa electret capsule	702-019
Replacement Windscreen, 2.5-inch diameter for 1/2-inch microphones	702-016
Replacement Pre-amp Assembly for SoundCHEK Connect	702-022

Learn more at www.skinc.com/noise

AcoustiCHEK Acoustic Calibrator

Easy, Accurate Calibration for SKC Noise Instruments

The SKC AcoustiCHEK Calibrator is specially designed for easy calibration of the SKC NoiseCHEK Dosimeter and SoundCHEK Essential and Connect Sound Level Meters with ½-inch microphones. In the lab or in the field, AcoustiCHEK has calibration covered with accuracy.

KEY FEATURES

- Class 1 and 2 models available
- 70 hours operation on AA alkaline batteries—power-saving auto-off
- Designed specifically for ½-inch microphones on SKC Noise instruments
- Provides automatic NoiseCHEK calibration
- Supplied with Certificate of Manufacturer Calibration
- NIST-traceable certificate option

Controls/LEDs on same surface as noise instrument display/controls

Selectable outputs of 94, 104, and 114 dB at 1 kHz

Easy-to-use interface



PERFORMANCE PROFILE

Output: 94, 104, and 114 dB

Calibration Frequency: 1 kHz ($\pm 0.7\%$ Class 1, $\pm 1.7\%$ Class 2)

Accuracy/Tolerance: ± 0.25 dB Class 1, ± 0.4 dB Class 2

Harmonic Distortion: $< 1.6\%$ Class 1, $< 2.5\%$ Class 2

Dimensions and Weight: 3.1 x 2.7 x 1.2 in (7.8 x 6.8 x 3.0 cm), 4.6 oz (130 gm)

Standards: IEC 60942:2017, BS EN IEC 60942:2018, ANSI

S1.40-2006; **Certifications:** CE, UKCA

ORDERING

Description	Cat. No.
AcoustiCHEK Calibrator includes AA batteries and Certificate of Manufacturer Calibration	
Class 1 , with built-in barometer	703-001
Class 2	703-002

SKC SKC Noise Instrument Calibration Services

The SKC Noise Cal Lab tests SKC Noise Instruments in conformance with ANSI S1.25 and IEC 61252 standards.

- Class 1 calibration standards
- Confirmation of accuracy based on Class 1 and Class 2
- Service includes:
 - Check of functional components
 - Recalibration
 - Test reports
 - NIST-traceable calibration certificate
- Trained, dedicated technicians
- Fast turnaround time and competitive pricing



SCIENCE. SERVING PEOPLE.®

CONTACT SKC FOR MORE INFORMATION!

www.skcinco.com

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MP2027 Rev2024.09