



DataTrac dB Software for NoiseCHEK User Manual

INTRODUCTION

Checking System Requirements

Ensure your PC meets minimum requirements for DataTrac® dB Software.

Operating System	Microsoft® Windows® 10
Required Software	DataTrac dB Installer (<i>included with installation</i>)
Minimum Display Resolution	1024 x 768
Available Port	USB 2.0

Checking Hardware Requirements

- 1-unit Charging Dock Cat. No. 701-002 or 5-unit Charging Dock Cat. No. 701-003
- USB cable
- DataTrac dB Software USB drive
- NoiseCHEK Personal Noise Dosimeter Cat. No. 701-001, 701-001S, 701-001NB, or 701-001NBS

GETTING STARTED

Connecting NoiseCHEK to PC and Installing Software

- *Do not apply stickers to the back of the dosimeter because this can cause connectivity issues while the dosimeter is in the charging dock.*

The NoiseCHEK noise dosimeter communicates with a PC via USB cable and charging dock (1 or 5-unit) and DataTrac dB Software (*see Figure 1*). Connect up to five NoiseCHEK dosimeters in the 5-unit charging dock to upload settings.

1. Connect charging dock to PC using included USB cable.
2. Download from <https://www.skcinc.com/catalog/datatrac/DataTracdB/setup.exe> or copy from USB drive “setup.exe” and install DataTrac dB as instructed. DataTrac dB will launch automatically.



The DataTrac dB Installer requires administrator privileges to install properly.

3. Place noise dosimeter(s) in the charging dock to complete the communication train shown in Figure 1. **Note:** *DataTrac dB will only detect dosimeters that are properly seated in the connected charging dock.*



Figure 1. Communication Train

Updating DataTrac dB Software

DataTrac dB will scan automatically for available online updates each time DataTrac dB is launched. If an update is found, the user will be asked to install now, install later, or ignore.

Uninstalling DataTrac dB Software

1. Access the Windows Control Panel on the PC.
2. Select Programs (Programs and Features).
3. Select DataTrac dB.
4. Click Uninstall.

USING DATATRAC DB SOFTWARE

Detecting Devices

Once launched, DataTrac dB software scans for connected devices. The names of detected devices will appear in the Connected devices bar on the upper left corner of the screen (*Figure 2*). If the names of connected devices do not appear automatically in the bar, click Rescan.

To select a connected device, click on its tab in the bar; the tab will become highlighted and display the Save Setup to this device button (*Figure 3*).

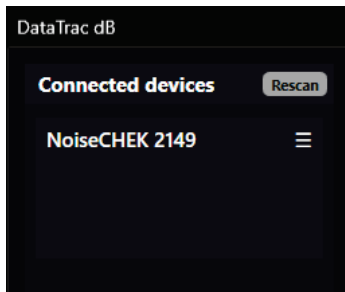


Figure 2. Connected devices Bar

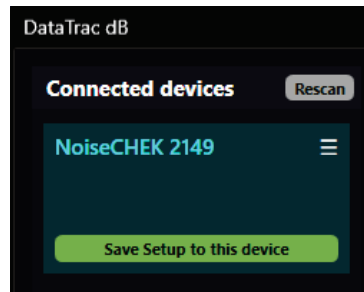



Figure 3. Selected Device Tab

Interacting with DataTrac dB Screens

Click on tabs, buttons, and check boxes to select or activate items. Click in boxes and type using keyboard to enter required information.

Setting/Changing Device Options

Click on the menu  in the selected device tab (*Figure 3*) to set or change options for selected devices (*see below and Table 1*).

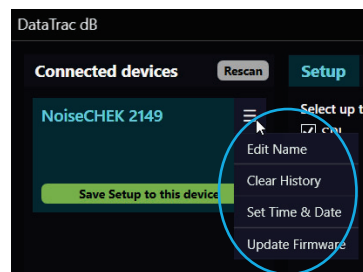

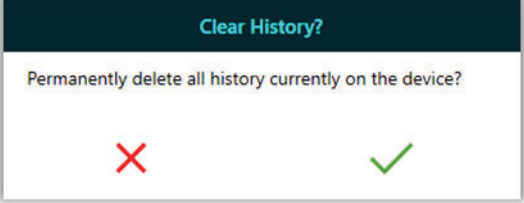
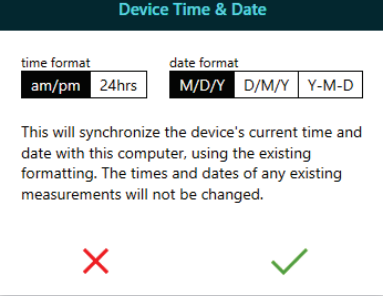
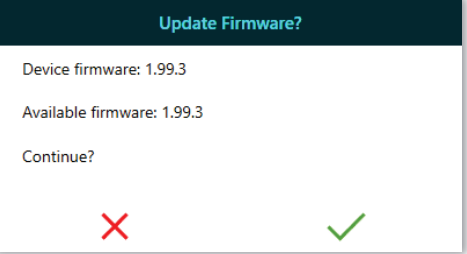


Table 1. Selected Device Menu Options

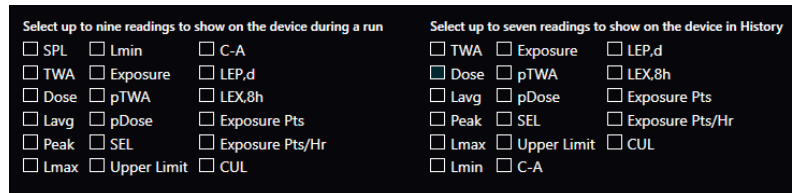
<p>Edit Name: Enter/edit name for device and click on check mark.</p>	
<p>Clear History: Click on check mark to permanently clear history from selected device(s).</p>	
<p>Set Time & Date: Select time and date format and click on check mark to save settings.</p>	
<p>Update Firmware: Click on check mark to update firmware to latest version.</p>	

Setup — Programming and Uploading Presets (Figure 4)



Figure 4. Setup

1. With devices selected, select Setup tab.
2. Select measurement readings to be shown on the device during a run (up to nine) and in History (up to seven); the following readings are available:



Note: If the maximum number (nine or seven) is selected, the unselected readings will be grayed out as shown in Figure 4.

3. Select options on device (see left to right in Figure 4) as desired:
 - 👉 **When all four virtual dosimeters and octave band data logging are enabled and log data is set to 1 second, it will take approximately 3 hours (1/3 octave) or 1 hour (1 octave) to download data accumulated during an 8-hour run. Select log octave band data and 1 second log interval only if you need and intend to use this kind of data.**

Octave bands — Activate octave band view and/or octave band datalogging to display octave bands on virtual dosimeters and/or log octave band data.

Log Data — Set desired data logging rate.

Secure Lock — Activate/deactivate as desired. Secure Lock enables Auto Lock.

- Secure Lock** requires a PIN (four-digit using 1234) to connect to SKC SmartWave dB mobile app. **NoiseCHEK ships with Secure Lock activated and PIN set to 1234.**
- Auto Lock** requires a PIN to **pause** or **stop** sampling using the dosimeter buttons. All other commands are available on the device including start sampling.

Disable Voice Notes — Select or deselect Disable Voice Notes as desired.

Peak Weighting — Select C or Z peak weighting. **Note:** 'A' peak weighting is an option in User Custom virtual dosimeter. See *Defining User Custom Virtual Dosimeter*.

4. Select/enable virtual dosimeters. Click on drop-down menu and select from OSHA HC, OSHA PEL, MSHA HC, MSHA PEL, ACGIH, and User Custom (see *Defining a User Custom Virtual Dosimeter*). **Note:** To disable a programmed virtual dosimeter, click on the X next to the dosimeter name.
5. Activate **Auto-record** feature to enable audio recording of an event exceeding the set dB level. 0 dB level deactivates audio recording. The length of a single stored audio event is 10 seconds. The noise dosimeter can store up to 24 such events, after which new recordings will overwrite the oldest ones. The event log will still note recordings that are overwritten. Auto-threshold audio recordings and other events are indicated in the History summary. See *Summary – View and Export*.
6. Activate **Alert** feature at set % Dose. If the set level is exceeded, the amber LEDs will flash in an alternating pattern with green LEDs, approximately every 2 seconds.
7. If applicable, set **CUL Threshold** and **CUL Interval** values. CUL (Continuous Upper Limit) equals the number of times the set threshold was exceeded continuously for the set interval. Any continuous event lasting for the set interval counts as one, so using the values set in Figure 4 (117 dB and 30 sec) as an example, CUL = 1 for an event continuously lasting for more than 30 seconds but less than 59 seconds, 2 for an event lasting for 60 to 89 seconds, and so on. Each subsequent continuous event lasting for the set interval is added to the overall count.
8. To upload setup to selected dosimeters, click on Save Setup to this device. A check mark appears briefly under the device name to indicate that presets have been saved.

Defining a User Custom Virtual Dosimeter (Figure 5)

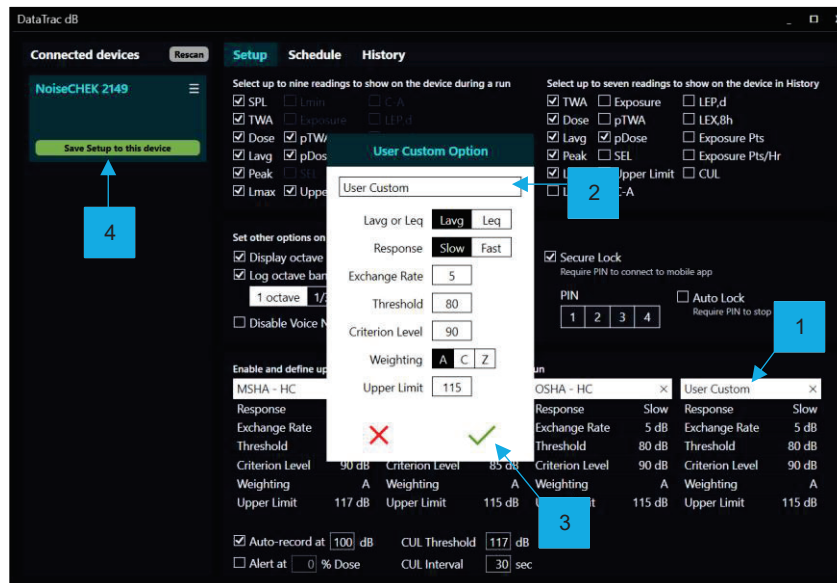


Figure 5. User Custom Option

1. Select User Custom from virtual dosimeter dropdown.
2. Select and enter desired custom virtual dosimeter name and measurements in the pop-up User Custom Option window.
3. Click on the check mark to save settings.
4. Click Save Setup to this device in selected device tab to upload settings. **Note:** When multiple devices are connected in the 5-unit charging dock, click Save Setup to this device in **each** selected device tab so that the settings are uploaded to all the devices.

Schedule – Scheduling Sample Runs (Figure 6)

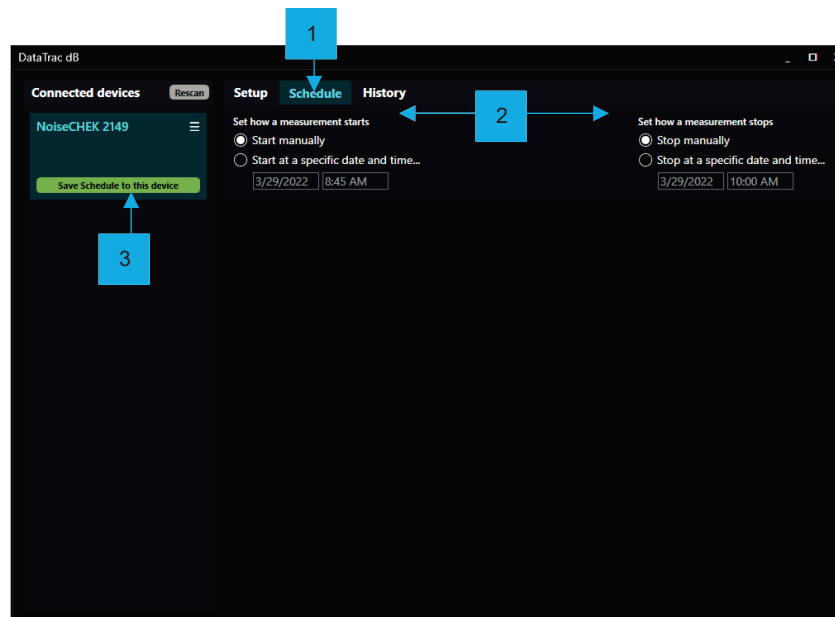


Figure 6. Schedule Sample Run

1. Select Schedule tab.
2. Select manual or scheduled start/stop for measurement. Manual start and stop are selected above; for scheduled start/stop, select “Start/Stop at a specific date and time...” and enter desired dates and times.
3. Click Save Schedule to this device to upload schedule to selected NoiseCHEK dosimeters.

History – Downloading, Managing, and Reporting Sampling History

- *Download history as often as possible to keep all history records. When a device memory is full, it will automatically record over the oldest records.*
- *Download history as often as possible as it may take hours/days to download a full memory.*
- *The sampling time stored in History ranges from 36 to 135 hours depending on sampling rate, number of virtual dosimeters enabled, and whether octave bands are activated. At slower sampling rates and with fewer virtual dosimeters enabled and octave bands not enabled, a device can store more hours.*
- *DataTrac dB will not download data to a PC if the same data is already there.*
- *History can be deleted using DataTrac dB software (see Clear History in Table 1), but there is no need to do so as the noise dosimeter will automatically record over the oldest records when its memory is full.*

Downloading History to PC (Figure 7)

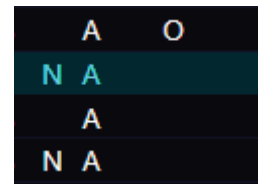
The screenshot shows the DataTrac dB software interface. The 'History' tab is selected, displaying a table of noise measurement records. A callout box '1' points to the 'History' tab. A callout box '2' points to the 'Download History from this device' button in the left sidebar. A callout box '3' points to a record in the table. Below the table is a summary table with columns for OSHA - HC, OSHA - PEL, and MSHA - HC, listing various noise metrics like TWA, Dose, Lavg, Peak, Lmax, Lmin, Exposure, pTWA, pDose, SEL, Upper Limit, C-A, LEP,d, LEX,8h, Exposure Pt, and Exposure Pt/h.

Figure 7. Download History from Device

1. Select History tab.
2. In the selected device tab, click Download History from this device for sample run history. The downloaded history will be displayed.
3. Sort records by serial number, date, start/end times, run time, title, location, subject name, TWA, or dose by clicking on the up/down arrows next to the desired parameter.

Notations N, A, V, and O indicate the following:

- N** Text note added from mobile app before connecting device(s) to PC or added in DataTrac dB after connecting device(s) to PC.
See Add/Edit Note.
- A** Audio recording above set threshold. Click Listen in Summary or audio capture in graph to play back the recording.
- V** Voice note present. Click Listen in summary to hear the recorded note.
- O** Overload – During the sample run, sound pressure level exceeded 140 dB for > 4 milliseconds



Summary – Viewing and Exporting (Figure 8)

The screenshot shows the DataTrac dB software interface. At the top, there are tabs for 'Connected devices', 'Setup', 'Schedule', and 'History'. The 'History' tab is active, displaying a table of noise measurement runs. A blue box labeled '1' points to a specific run in the table. Below the table, there are tabs for 'Summary', 'Logs', and 'Zones'. The 'Summary' tab is selected, showing detailed noise metrics for OSHA HC, OSHA PEL, and ACGIH standards. A blue box labeled '2' points to the 'Summary' tab. On the right side of the interface, there are buttons for 'Delete' and 'Export Summary'. A blue box labeled '3' points to the 'Export Summary' button, and a blue box labeled '4' points to the 'Delete' button. At the bottom of the interface, there is a button for 'Add a New Note'.

Name	Serial	Date	Started	Ended	Runtime	Title	Location	Subject Name	TWA	Dose	A	O
NoiseCHEK 0001	220001	4/13/2022	11:58 AM	8:20 AM	20:22:25	ST	Office	JLB	72.9 dB	9.3 %	A	O
NoiseCHEK 0001	220001	4/12/2022	4:44 PM	8:03 AM	15:18:45	ST	Office	JLB	9.6 dB	0.0 %		
NoiseCHEK 0001	220001	4/12/2022	1:02 PM	1:03 PM	00:01:07				0.0 dB	0.0 %		
NoiseCHEK 0001	220001	4/12/2022	12:52 PM	12:53 PM	00:01:07				0.0 dB	0.0 %		
NoiseCHEK 3000	213000	3/29/2022	11:50 AM	12:11 PM	00:20:40				53.6 dB	0.6 %	A	
NoiseCHEK 0001	220001	3/22/2022	8:26 AM	8:29 AM	00:02:36	ST	Office	JLB	69.7 dB	6.0 %	A	
NoiseCHEK 0001	220001	3/22/2022	8:18 AM	8:24 AM	00:05:41	ST	Office	JLB	75.9 dB	14.3 %	N	V O
NoiseCHEK 0001	220001	3/21/2022	6:43 PM	7:54 PM	01:10:42				20.5 dB	0.0 %		

Figure 8. Summary

1. Click on the desired run to select it.
2. View the summary. Where possible and applicable, edit information, listen, or add a note as desired. **Note:** When you add zones in the graph (see Logs or Zones), both the original and modified summaries will be displayed as well as a warning that data has been modified and is not valid for compliance reporting.
3. Click Export Summary to create a summary report. Enter information in the Export Summary window (see right). If you added zones (see Logs or Zones), you can export the original summary only, modified summary only, or both. Click on the check mark to save to your PC. See Appendix B for a sample summary report.
4. If desired, click Delete to remove a selected run from the downloaded history.

The screenshot shows the 'Export Summary' window. On the left, there is the SKC logo and a 'Choose Logo' button. On the right, there are input fields for 'Title', 'Company' (SKC), 'Location', 'Subject's Name', 'Sample Manager' (PLE), and 'Calibrator Model & SN' (703-002 SN XXXX). Below these fields, there are radio buttons for 'Export original summary', 'Export modified summary', and 'Export original and modified summaries'. A warning message at the bottom left states 'Modified summary not valid for compliance reporting.' At the bottom center, there is a red 'X' icon, and at the bottom right, there is a green checkmark icon.

Add/Edit Note

Notes can be added and edited in Summary and Logs.

1. **In Summary:** Click Add a New Note (*see Figure 8*).
In Logs: Click add note icon (*see Logs*) and place the cursor where desired in the graph.
2. Enter text in the Add Note window (*Figure 9*).
3. Click the check mark to save. (To close without saving, click X.)
4. The saved note will appear in the summary and Log graph and will be uploaded in the exported summary report.
5. To edit or delete a note, click Edit Note on that line in the summary or click on the note in the graph. In the Edit Note window (*Figure 10*), edit text and save or click on the wastebasket icon to delete; if deleting, a Delete note? window will be displayed for your confirmation of the deletion.

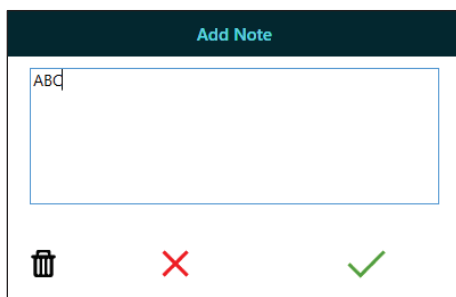


Figure 9. Add Note

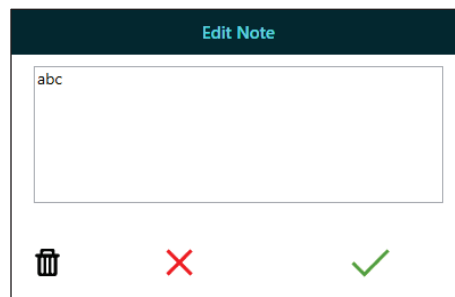


Figure 10. Edit Note

Logs – Viewing and Exporting Data Log

Select Logs (Figure 11) to display the graph for the selected measurement run. Measurements for all the programmed virtual dosimeters are contained in one graph. View and export the data using the features and functions described below.

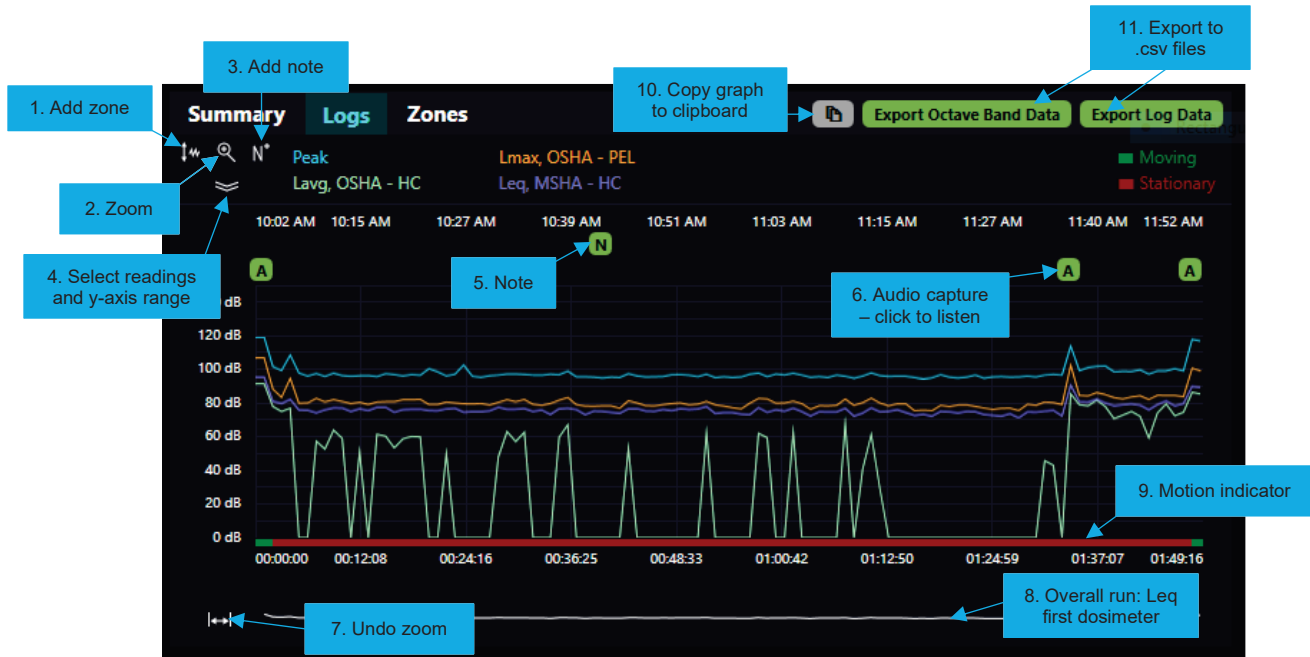


Figure 11. Data Log for Selected Run History

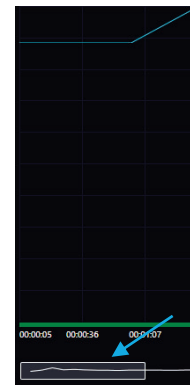
- Add zone.** Click icon and use cursor to drag and select desired zone. In Add Zone window (see right), select exclusion or offset, start/end times, and +/- dB value as applicable. Also see Zones – Exclusion and Offset and Figure 14. **Note:** Modifying the data makes it invalid for compliance reporting and this will be noted in the Summary and summary report.
- Zoom.** Click icon and then click in graph and drag cursor over desired area. A navigation bar will appear at the bottom of the zoom area (see below right).
- Add note.** Click icon and then click in desired location in graph to open Add Note window (see Figure 9). Enter text and select check mark to save. An “N” will be displayed at the top of the graph. To view and/or edit note, see Step 6 below.

Add Zone

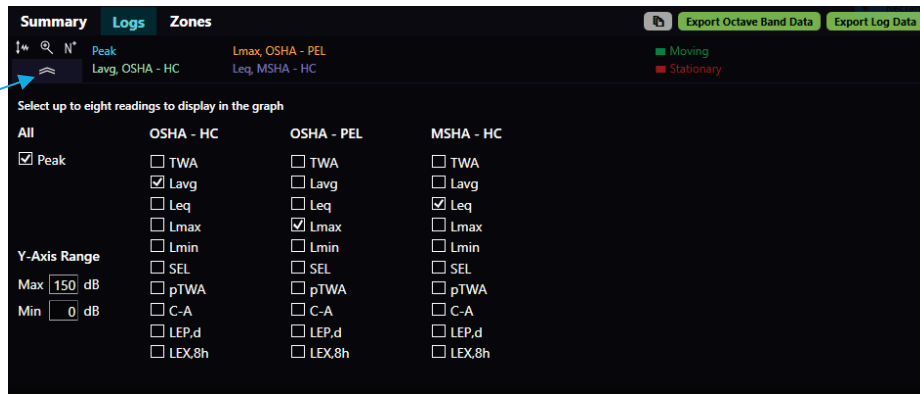
Start: 01:07:50 End: 01:20:33

Exclusion Zone
 Offset Zone
 0 dB

✗ ✓



4. **Select readings and Y-axis range.** Click double-arrow and select up to eight readings to display in graph and Y-axis range values from displayed menu (see below); click double-arrow again to return to graph.



5. **Audio capture.** Click to listen.
6. **Note.** Click to view/edit/delete. See Figure 10.
7. **Undo zoom.** Click to undo zoom
8. **Overall run** (Leq of first dosimeter)
9. **Motion indicator** indicates if dosimeter was moving or stationary at a given point.
10. **Copy graph to clipboard.** Click to copy graph and then paste it in any document or email.
11. **Export Octave Band Data and Export Log Data.** Click to export desired data into .csv files and save to a PC. See sample in Appendix C.

View Readings at a Particular Point in Run

With no icon selected, click at desired point in the graph to see reading values on top of the graph (Figure 12). The vertical line indicates the time of displayed readings. Click on the line and move it to see how readings change in time.

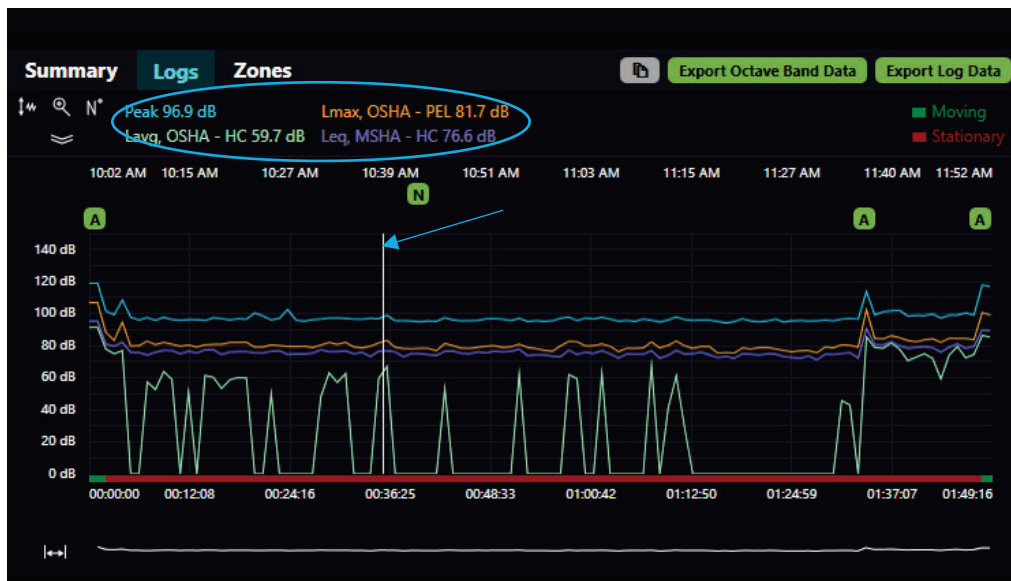


Figure 12. View Readings at Selected Point in Graph

Zones – Exclusion or Offset

- When exclusion and offset zones are added, the modified data is not valid for compliance reporting; a warning message will appear in the Summary and in the exported summary report.

Use the Zones tab to edit or add exclusion and offset zones (Figure 13) in the data log:

Exclusion zone removes span of run time from the data, allowing for a “what if” view or analysis.

Offset zone allows you to see what the exposure would be if the noise level during the selected time span were higher or lower than the selected dB value.

Zones can be also added on the graph via the Logs tab and add zone icon (see *Logs – Viewing and Exporting Data Log*).

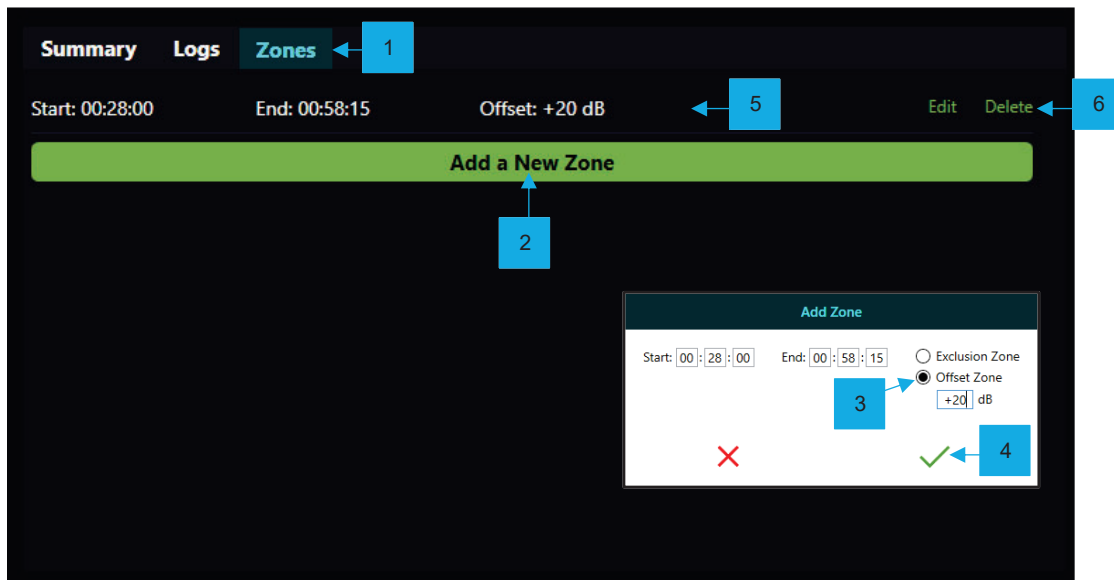
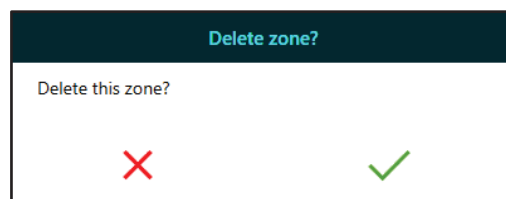
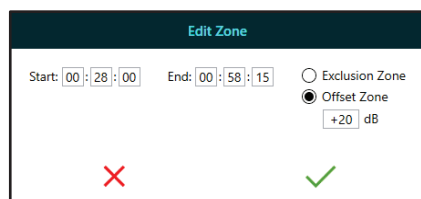


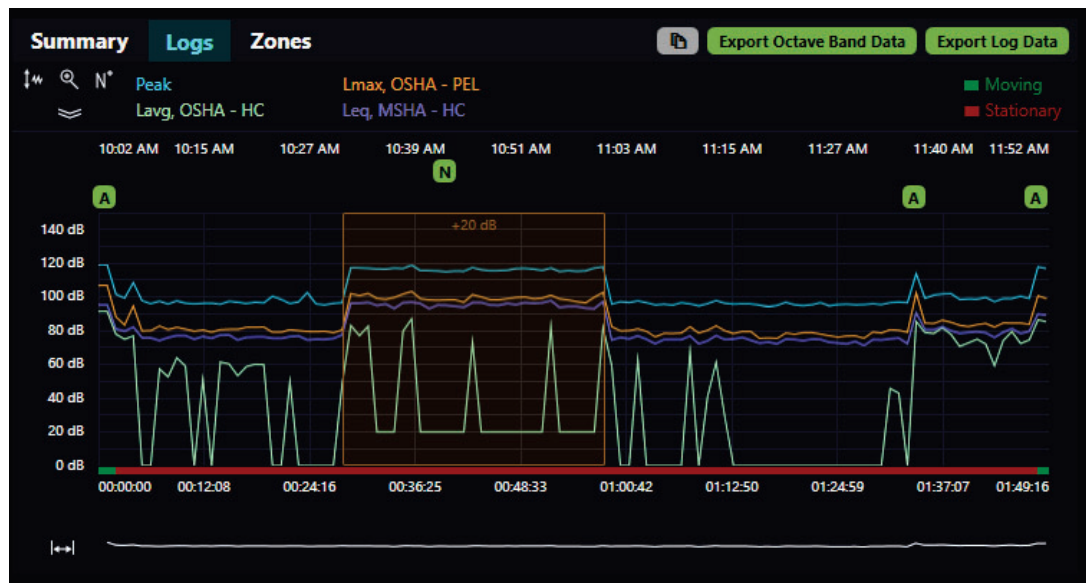
Figure 13. Add a New Zone

- Click on Zones.
- Click on Add a New Zone.
- In the Add Zone window, select Exclusion Zone or Offset Zone and enter desired Start and End times (and +/- dB value if adding Offset Zone).
- Click on the check mark to save the zone.
- The zone is listed under the Zones tab and displayed in the Logs graph (see Figure 14). Both the original and modified data summaries will be displayed in the Summary tab and one or both can be exported to the summary report. See Appendix B.
- Click on Edit or Delete as needed and edit details or delete as shown below.





Exclusion zone shown



Offset zone shown

Figure 14. Zones Displayed in Logs Graph

SOFTWARE NOTES

Version

What's New

V.1.0.15 or earlier

-No ability to add zones

V.2.0.0 or later

-Added zones, enhanced graphing and report features (zones can be added only if data is collected using NoiseCHEK running firmware V.2.0.0 or later version).
DataTrac dB V.1.0.15 or earlier will not be able to download data from dosimeter with V.2.0.0 or later firmware.

APPENDICES

Appendix A

SKC End-user License Agreement

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Appendix B: Sample Summary Report



NoiseChek Noise Dosimeter

NoiseCHEK 2149 SN: 202149

Sample date: 3/29/2022 10:02:56 AM

Company: SKC

Sample Manager: PLE

Calibrator Model & SN: 703-002 SN XXXX

Device Setup

OSHA - HC		OSHA - PEL		MSHA - HC	
Response	Slow	Response	Slow	Response	Slow
Threshold	80	Threshold	90	Threshold	80
Upper Limit	115	Upper Limit	115	Upper Limit	117
Exchange Rate	5	Exchange Rate	5	Exchange Rate	5
Criterion Level	90	Criterion Level	90	Criterion Level	90
RMS Weighting	A	RMS Weighting	A	RMS Weighting	A

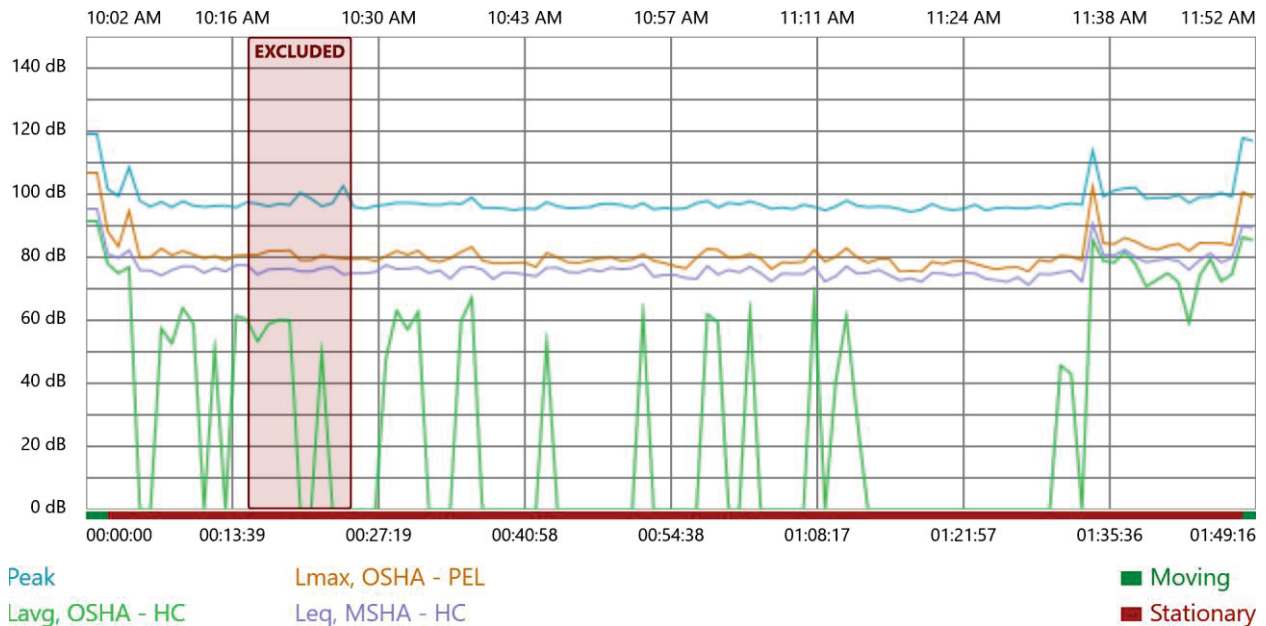
Measurement Summary Information

Pre Calibration: 1 kHz @ 114 dB, 3/29/2022 10:02:22 AM

Run Started: 3/29/2022 10:02:56 AM

Run Ended: 3/29/2022 11:52:12 AM

Total Runtime: 01:49:15



Post Calibration: +0.3 dB, 3/29/2022 11:52:28 AM

Modified Summary

▲ Data has been modified and is not valid for compliance reporting

OSHA - HC		OSHA - PEL		MSHA - HC	
TWA	57.9 dBA	TWA	51.8 dBA	TWA	57.9 dBA
Dose	1.2%	Dose	0.5%	Dose	1.2%
Lavg	69.2 dbA	Lavg	63.2 dbA	Lavg	69.2 dbA
Lmax	106.8 dbA	Lmax	106.8 dbA	Lmax	106.8 dbA
Lmin	25.4 dBA	Lmin	25.4 dBA	Lmin	25.4 dBA
Peak	119.1 dB	Peak	119.1 dB	Peak	119.1 dB
Exposure	0.1 Pa ² -h	Exposure	0.1 Pa ² -h	Exposure	0.1 Pa ² -h
ULT	00:00:00	ULT	00:00:00	ULT	00:00:00
SEL	118.1 dBA	SEL	118.1 dBA	SEL	118.1 dBA
pTWA	69.2 dBA	pTWA	63.2 dBA	pTWA	69.2 dBA
pDose	5.6%	pDose	2.4%	pDose	5.6%
C-A	60.7 dB	C-A	0.1 dB	C-A	60.7 dB
LEP,d	73.5 dBA	LEP,d	73.5 dBA	LEP,d	73.5 dBA
LEX,8h	73.5 dBA	LEX,8h	73.5 dBA	LEX,8h	73.5 dBA
Exp. Pts.	1.2	Exp. Pts.	0.5	Exp. Pts.	1.2
Exp. Pts/h	1.9	Exp. Pts/h	0.8	Exp. Pts/h	1.9
CUL	0	CUL	0	CUL	0

Original Summary

OSHA - HC		OSHA - PEL		MSHA - HC	
TWA	57.9 dBA	TWA	51.8 dBA	TWA	57.9 dBA
Dose	1.2%	Dose	0.5%	Dose	1.2%
Lavg	68.6 dbA	Lavg	62.5 dbA	Lavg	68.6 dbA
Lmax	106.8 dbA	Lmax	106.8 dbA	Lmax	106.8 dbA
Lmin	25.4 dBA	Lmin	25.4 dBA	Lmin	25.4 dBA
Peak	119.1 dB	Peak	119.1 dB	Peak	119.1 dB
Exposure	0.1 Pa ² -h	Exposure	0.1 Pa ² -h	Exposure	0.1 Pa ² -h
ULT	00:00:00	ULT	00:00:00	ULT	00:00:00
SEL	118.3 dBA	SEL	118.3 dBA	SEL	118.3 dBA
pTWA	68.6 dBA	pTWA	62.5 dBA	pTWA	68.6 dBA
pDose	5.2%	pDose	2.2%	pDose	5.2%
C-A	4.5 dB	C-A	1.5 dB	C-A	4.5 dB
LEP,d	73.7 dBA	LEP,d	73.7 dBA	LEP,d	73.7 dBA
LEX,8h	73.7 dBA	LEX,8h	73.7 dBA	LEX,8h	73.7 dBA
Exp. Pts.	1.2	Exp. Pts.	0.5	Exp. Pts.	1.2
Exp. Pts/h	2.1	Exp. Pts/h	0.9	Exp. Pts/h	2.1
CUL	0	CUL	0	CUL	0

Measurement Event Details

Auto-threshold Audio Capture at 3/29/2022 10:03:38 AM

Text note added at 3/29/2022 10:42:46 AM
abc

Auto-threshold Audio Capture at 3/29/2022 11:36:38

AM Auto-threshold Audio Capture at 3/29/2022

11:50:39 AM

Text note added at 4/13/2022 11:02:05 AM
fjalksdjfkalsdjflkads

Appendix C: Sample Log Data Imported into Microsoft Excel

A1	Timestamp																									
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V				
1	Timestamp	Run Time	Overload	Motion	Peak	TWA 1	Dose 1	Lavg 1	Leq 1	Exposure	Lmax 1	Lmin 1	SEL 1	pTWA 1	pDose 1	C-A 1	Lepd 1	Lex 1	Exposure	Exposure	TWA 2	Dose 2				
2	#####	0:01:00	0	1	119.1	46.9	0.255419	91.5	95.4	0.022863	106.8	25.4	113.1	91.5	122.6	1.8	68.5	68.5	0.3	0	0	45.6	0.2119			
3	#####	0:02:00	0	0	101.7	33.4	0.039119	77.9	81.1	0.000855	88.3	66.7	98.9	77.9	18.8	2.2	54.3	54.3	0	0	0	0	0			
4	#####	0:03:00	0	0	99.4	30.4	0.02592	75	79.8	0.000635	83.4	73.5	97.6	75	12.4	4.9	53	53	0	0	0	0	0			
5	#####	0:04:00	0	0	108.6	32.4	0.03402	76.9	82.2	0.001116	94.7	67.6	100	76.9	16.3	1.9	55.4	55.4	0	0	0	25.4	0.01			
6	#####	0:05:00	0	0	97.9	0	0	0	75.9	0.000261	79.9	72.3	93.7	0	0	56.7	49.1	49.1	0	0	0	0	0			
7	#####	0:06:00	0	0	96.1	0	0	0	75.8	0.000254	80	71.3	93.6	0	0	61.3	49	49	0	0	0	0	0			
8	#####	0:07:00	0	0	97.6	12.8	0.002262	57.4	74.2	0.000177	82.8	66.6	92	57.4	1.1	8.7	47.4	47.4	0	0	0	0	0			
9	#####	0:08:00	0	0	95.9	8.1	0.001176	52.7	76	0.000264	80.7	69	93.8	52.7	0.6	15.3	49.2	49.2	0	0	0	0	0			
10	#####	0:09:00	0	0	97.8	19.4	0.005612	63.9	77.2	0.000349	82	69.9	95	63.9	2.7	10.2	50.4	50.4	0	0	0	0	0			
11	#####	0:10:00	0	0	96.4	14.5	0.002835	59	77.1	0.000341	80.9	67	94.9	59	1.4	12.3	50.3	50.3	0	0	0	0	0			
12	#####	0:11:00	0	0	96	0	0	0	75.1	0.000213	79.7	69.4	92.8	0	0	61	48.2	48.2	0	0	0	0	0			
13	#####	0:12:00	0	0	96.3	6.5	0.000944	51.1	76.6	0.000306	80.4	68.1	94.4	51.1	0.5	15.9	49.8	49.8	0	0	0	0	0			
14	#####	0:13:00	0	0	96.4	0	0	0	75.6	0.00024	79.1	67.9	93.4	0	0	66.7	48.8	48.8	0	0	0	0	0			
15	#####	0:14:00	0	0	95.8	16.9	0.003984	61.5	77.5	0.000373	80.6	71.9	95.3	61.5	1.9	12.6	50.7	50.7	0	0	0	0	0			
16	#####	0:15:00	0	0	97.5	15.8	0.003887	60.3	77.5	0.000378	80.8	71.4	95.3	60.3	1.6	15.3	50.7	50.7	0	0	0	0	0			
17	#####	0:16:00	0	0	97	8.8	0.001291	53.3	74.5	0.00019	80.8	67.1	92.3	53.3	0.6	14.8	47.7	47.7	0	0	0	0	0			
18	#####	0:17:00	0	0	96.2	14.2	0.002729	58.7	76.1	0.000274	82	70	93.9	58.7	1.3	8.4	49.3	49.3	0	0	0	0	0			
19	#####	0:18:00	0	0	97	15.6	0.00306	60.1	76.3	0.000285	82	69.3	94.1	60.1	1.6	8.5	49.5	49.5	0	0	0	0	0			
20	#####	0:19:00	0	0	96.6	15.4	0.003211	59.9	76.4	0.000292	82.2	67	94.2	59.9	1.5	6.9	49.6	49.6	0	0	0	0	0			
21	#####	0:20:00	0	0	100.5	0	0	0	75.6	0.000241	79.1	72.3	93.4	0	0	61.5	48.8	48.8	0	0	0	0	0			
22	#####	0:21:00	0	0	98.6	0	0	0	75.5	0.000236	79.1	67.9	93.3	0	0	58.4	48.7	48.7	0	0	0	0	0			