



WEBIH
WEBINAR LEARNING



“noise measurement made simple”

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Technical Sales Representative

Why the NoiseChek?

Easier User Interface
More Information and Data
More Versatility





Featuring

Voice Recording

RANGE 70-140 dB

4 - Virtual Dosimeters

Automatic Calibration

180+ hours of Data Storage

3, 4, or 5 dB Exchange Rates

A, C, Z Weighting

Fast and Slow Response Time

Octave Band Capabilities

On-board History Viewing

Bluetooth Communication

Mobile App for IOS and Android

Physical Components and Characteristics

History button

On screen or on PC App

Next and Previous buttons

Cycle through screen

Green Button

Power on, "yes", select

Clothing clip

Type 2 Microphone, Windscreen

Lock and Unlock feature

Multipurpose LED Collar

Voice Recording Button

User created voice tags

Display Screen

Largest on a cable-free dosimeter

Red Button

Power off, "No"



Physical Components and Characteristics

Unique Display

- 1.8" Front Lit display
- 12 rows of pertinent data
 - 11 are user selectable
- Battery Status
- Run Status (run, pause, stop)
- Parameter view
 - All 4 virtual dosimeters
- Octave Band View
- Flashing LED's for status recognition
 - Operation (run, stop, pause, voice note)
 - Bluetooth
 - Voice Note Recording
 - Exposure
 - Charging



Physical Components and Characteristics

Battery and Run time

- Lightweight Li-ion Polymer
- 40+ hours of run time
- 4-6 hours charge time

Charger

- Easy to use Docking Station
- Magnetic Docking for stability
- 110/220 VAC
- USB output
- Single and 5-unit Docking Station



Basic Operation

Turning on:

Press the **Green** Button until the home screen comes on



Basic Operation

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Turning off:

When not running; Press the **Red** button until the confirmation screen appears. Press the **Green** button to confirm.



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Viewing Parameters:

Press the next or previous buttons to cycle through the parameters for all 4 internal dosimeters



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Press the next or previous buttons to cycle through the parameters for all 4 internal dosimeters



Calibration

- Assure that the unit is not running
- Remove Windscreen
- Assure that the calibrator is set for 114 dB @ 1000 Hz
- Slide the calibrator onto the microphone until it stops
- NoiseChek will automatically recognize the presence of the calibrator



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- 5 second count down to allow user to abort



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- Remove Windscreen
- Assure that the calibrator is set for 114 dB @ 1000 Hz
- Slide the calibrator onto the microphone until it stops
- NoiseChek will automatically recognize the presence of the calibrator
- 5 second count down to allow user to abort
- Calibration will begin automatically after 5 seconds



Calibration

Pass

- Screen will display “PASSED 1 kHz”
- “Before” dB level is the reading before adjustment
 - Serves as a post-calibration to previous run(s)
- “After” dB level is the adjusted reading
 - Serves as calibration for next run(s)
- Adjusted amount shown for documentation and trending
- Remove calibrator and press the **Green** button to accept
- Replace Windscreen

Fail

- Screen will display “Calibration Failed”
- User will be able to discard and retry



Basic Operation

Running/Recording:

- Press and hold the **Green** button until the confirmation screen appears



Basic Operation

Running/Recording:

- Press and hold the **Green** button until the confirmation screen appears
- Press the **Red** button to cancel and return to the main screen
- Press the **Green** button and the run will start
 - Selected data will be shown
 - Exposure LED's begin to flash.



Basic Operation

Running/Recording:

- Press and hold the **Green** button until the confirmation screen appears
- Press the **Red** button to cancel and return to the main screen
- Press the **Green** button and the run will start
 - Selected data will be shown
 - Exposure LED's begin to flash.
- Use the Next and Previous buttons to view additional dosimeter readings if present



Basic Operation

Octave Bands:

- Viewable for each virtual dosimeter
- Viewable in Run mode
 - Must be programmed in DataTrac dB software

Why Octave Bands in a Dosimeter?

- PPE determination and selection
- Engineering controls
- Determining noise source



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.
- Press the **Green** button again to accept.



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.
- Press the **Green** button again to accept.
- Run can be resumed by pressing and holding the **Green** button again and selecting yes.



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.
- Press the **Green** button again to accept.
- Run can be resumed by pressing and holding the **Green** button again and selecting yes.



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.
- Press the **Green** button again to accept.
- Run can be resumed by pressing and holding the **Green** button again and selecting yes.

Stop Run:

- Press and hold the **Red** button until the confirmation screen appear.



Basic Operation

Pausing the Run:

- Press and hold the **Green** button until the confirmation screen appears.
- Press the **Green** button again to accept.
- Run can be resumed by pressing and holding the **Green** button again.

Stop Run:

- Press and hold the **Red** button until the confirmation screen appear.
- Press the **Green** button to accept.



Basic Operation

History Feature:

- Sample is stopped
- Automatically placed in History
- Use right arrow to view last run
- Press the 'H' button to exit history



Additional Functions

History Feature:

- Press the 'H' button to see past recordings by date and time.
- Use the Previous and Next buttons to cycle to the record to be viewed
- Press the **Green** button to select a record and view all pertinent data for all virtual dosimeters



Additional Functions

History Feature:

- Press the 'H' button to see past recordings by date and time.
- Use the Previous and Next buttons to cycle to the record to be viewed
- Press the **Green** button to select a record and view all pertinent data for all virtual dosimeters
- Press the 'H' button to exit the history



Basic Operation

Voice Note Feature:

- Press and hold the 'V' button to record a voice note to be assigned to a noise recording.
 - White LED will flash to indicate a stored voice note



Basic Operation

Voice Note Feature:

- Press and hold the 'V' button to record a voice note to be assigned to a noise recording.
 - White LED will flash to indicate a stored voice note
- Press the 'V' button again to stop the recording



PC App (Software)

DataTrac dB

Connected devices Rescan

A. Bragg - Demo ☰

Save Setup to this device

Setup Schedule History

Select up to nine readings to show on the device during a run

SPL Lmin C-A
 TWA Exposure LEP,d
 Dose pTWA LEX,8h
 Lavg pDose Exposure Pts
 Peak SEL Exposure Pts/Hr
 Lmax Upper Limit

Select up to seven readings to show on the device in History

SPL Lmin C-A
 TWA Exposure LEP,d
 Dose pTWA LEX,8h
 Lavg pDose Exposure Pts
 Peak SEL Exposure Pts/Hr
 Lmax Upper Limit

Set other options on the device

Display octave bands Log data
 Log octave band data 1 sec 60 sec
 1 octave 1/3 octave
 Peak Weighting
 C Z

Secure Lock
 Require PIN to connect to mobile app
 PIN:
 Auto Lock
 Require PIN to stop or pause

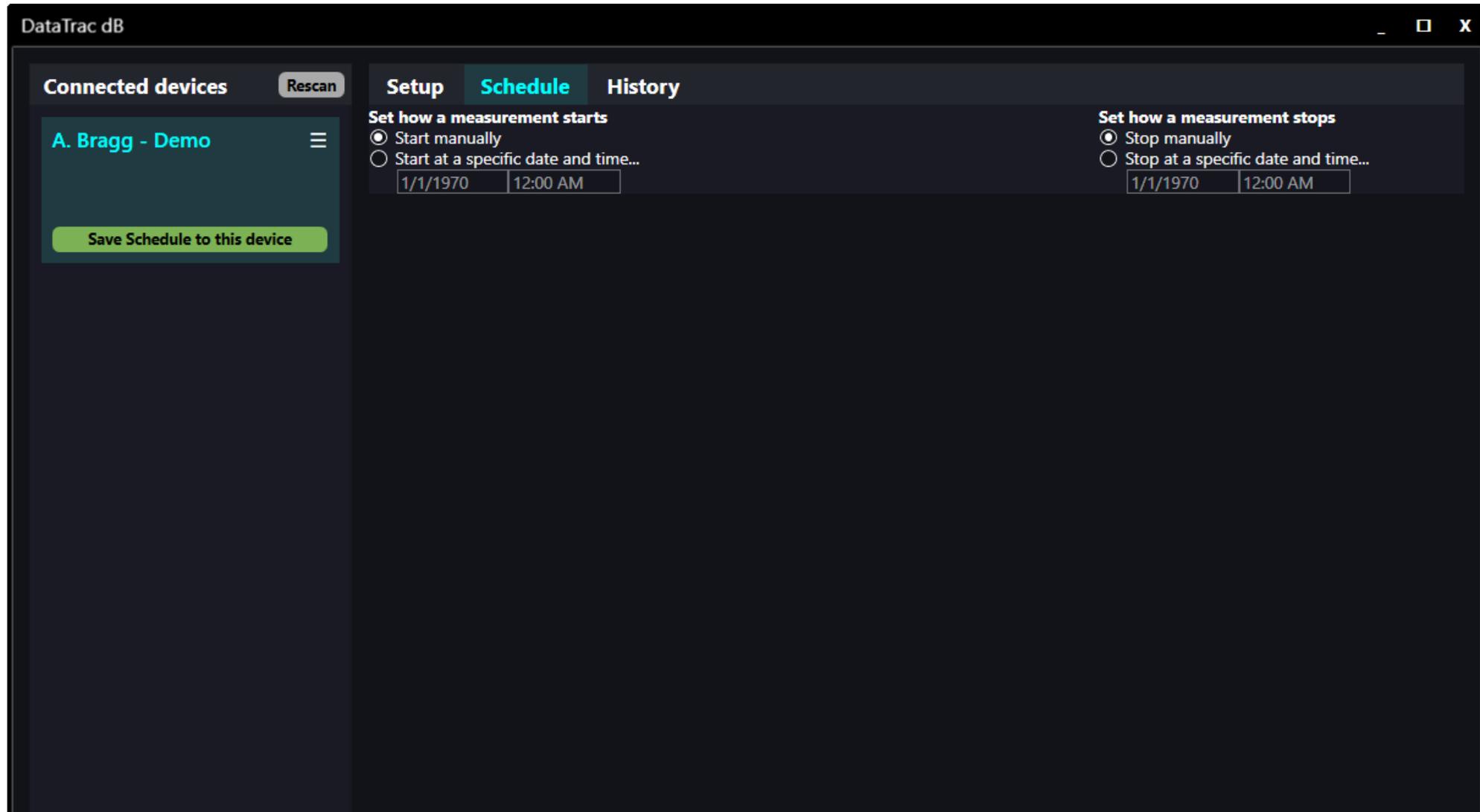
Enable and define up to four separate virtual dosimeters for each run

OSHA - HC	×	OSHA - PEL	×	ACGIH	×	MSHA - HC	×
Response	Slow	Response	Slow	Response	Slow	Response	Slow
Exchange Rate	5 dB	Exchange Rate	5 dB	Exchange Rate	3 dB	Exchange Rate	5 dB
Threshold	80 dB	Threshold	90 dB	Threshold	80 dB	Threshold	80 dB
Criterion Level	90 dB	Criterion Level	90 dB	Criterion Level	85 dB	Criterion Level	90 dB
Weighting	A	Weighting	A	Weighting	A	Weighting	A
Upper Limit	115 dB						

Auto-record above dB (0 to disable)

Alert at % Dose (0 to disable)

PC App (Software)



PC App (Software)

SKC Alpha

Connected devices

Device Name ABC
2 new runs since last downloaded

Download History from this device

Device Name XYZ
No new data to download

Download History from this device

Setup **Schedule** **Downloads** You are viewing measurements downloaded to this PC

Name	Date	Started	Ended	Runtime	
^ Device Name XYZ Dosimeter 1	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	N A V O
Dosimeter 2					O
^ Device name ABC	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	V O L
^ Device Name ABC	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	N A O L
^ Device Name ABC	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	A
^ Device Name QRS	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	N V O L
Dosimeter 1					O L
Dosimeter 2					O L
^ Device Name QRS	DD/MM/YYYY	HH:MM AM	HH:MM PM	HH:MM	N A

Summary **Log** Export All Log Data

Mobile App



SKC

Sample date: 5/8/2020 8:11 PM
 Title: Chipper / Grinder
 Company: AB Wood Mill
 Location: Jefferson GA
 Comments: Jake Thompson
 Device Name: Andy's Demo 2112
 Dosimeter Count: 4

Measurement Parameters:

	Dosimeter 1	Dosimeter 2	Dosimeter 3	Dosimeter 4
Setup Name:	OSHA - HC	OSHA - PEL	ACGIH	MSHA - HC
Response:	Slow	Slow	Slow	Slow
Threshold:	80dB	90dB	90dB	80dB
Upper Limit:	115dB	115dB	115dB	115dB
Exchange:	5dB	5dB	3dB	5dB
Criterion Lev:	90dB	90dB	90dB	85dB
RMS Weighting:	A	A	A	A
Lavg/Leq:	Lavg	Lavg	Lavg	Leq

Session Summary Data:

Session Started: 5/8/2020 8:11 PM
 Session Run Time: 01:40

	Dosimeter 1	Dosimeter 2	Dosimeter 3	Dosimeter 4
Setup Name:	OSHA - HC	OSHA - PEL	ACGIH	MSHA - HC
TWA:	44.8 dB	43.7 dB	66.7 dB	44.8 dB
Dose:	0.2 %	0.2 %	0.5 %	0.4 %
Lavg:	85.7 dB	84.5 dB	91.3 dB	91.5 dB
Peak:	120.9 dB	120.9 dB	120.9 dB	120.9 dB
Max:	107.5 dB	107.5 dB	107.5 dB	107.5 dB
PDose:	54.9 %	46.7 %	133.9 %	109.8 %
Upper:	0.0 sec	0.0 sec	0.0 sec	0.0 sec

PreCal Date: Friday, May 8, 2020 8:11 PM
 PreCal Level: 114.0 dB
 PostCal Date: Friday, May 8, 2020 8:14 PM
 PostCal Level: 114.0 dB

Quick Video Access

- Short or “Quick” Videos
 - SKCInc1 – YouTube
 - Calibration, Run, and Review 2:27
 - Setting up and Programming Virtual Dosimeters 0:51
 - Setting up a Scheduled Run 0:45
 - Always know where you stand – LED demo 2:04
 - Screen and Menu Navigation 2:47
 - SmartWave dB Mobile App 4:13
 - Ideal Placement 1:21





Denny Collins
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www.skcinc.com

Please visit our website or call **800-752-8472**
for sales and support.