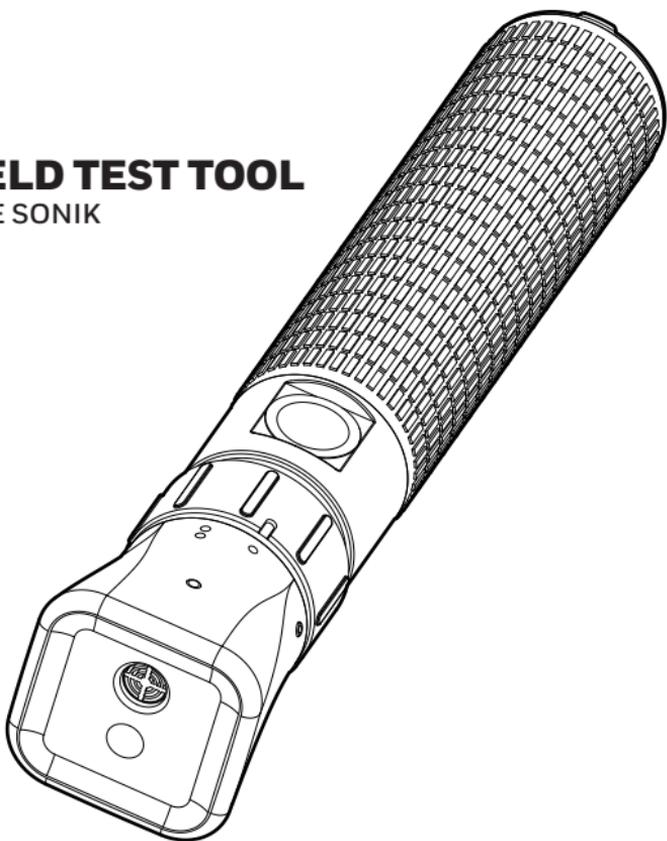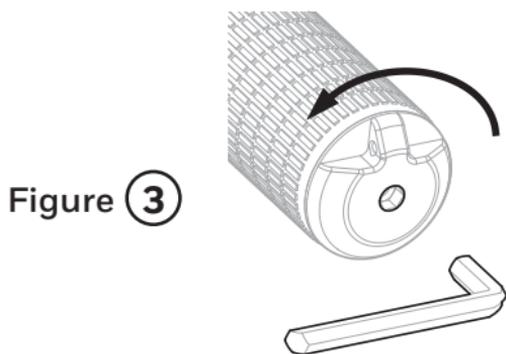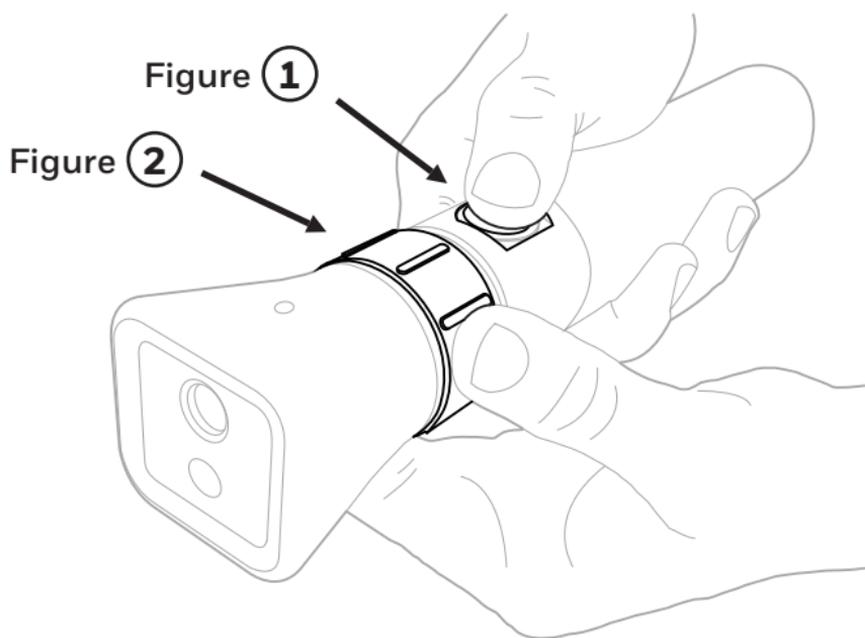# QUICK START GUIDE

HAND HELD TEST TOOL
SEARCHZONE SONIK

Honeywell

Figure ①

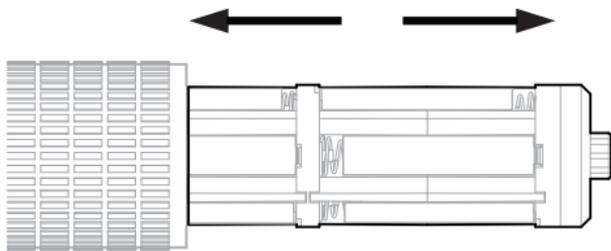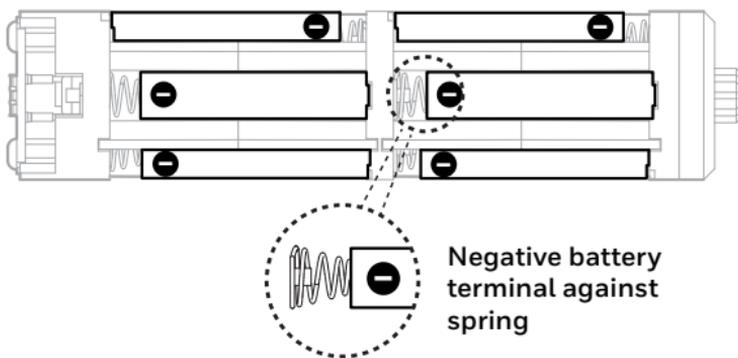Figure ②
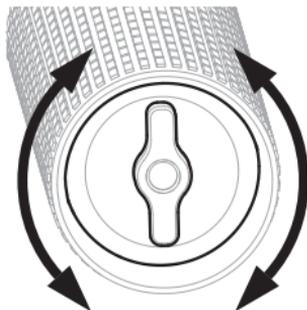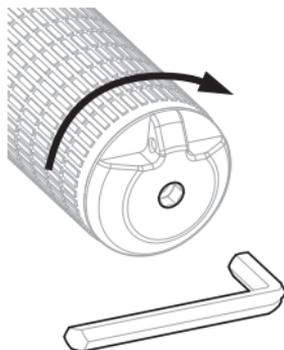
Figure ③

Figure ④

Negative battery terminal against spring

Figure ⑤

Figure ⑥

Figure ⑦

> ### ⚠ WARNING
> *Read these user instructions carefully before using this equipment. User instructions must always be available to the user and are not to be removed except by the user of this equipment. For proper use, see supervisor, user instructions, or contact the manufacturer.*

> ### ⚠ WARNING
> *Do not mix battery types. Replace the batteries only with the types listed in Specifications. Use of batteries other than those specified in Specifications will invalidate the certification.*

Waste Electrical and Electronic Equipment (WEEE)

This product complies with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU. Components or assemblies bearing this or similar symbols shall not be treated as household or municipal waste. Waste electrical products (end of life) shall be recovered and disposed of at specialist WEEE disposal facilities.

Contact your local authority, your distributor, or the manufacturer if you require more information about recycling WEEE.

Box Contents

1. Hand Held Test Tool
2. Set of 10 AAA batteries
3. Hexagon socket key size 6 mm
4. Hand Held Test Tool Quick Start Guide (this document)
5. Certificate

List of Markings

⚠ Warning

☒▬ WEEE mark

(UL) UL certification mark

⟨Ex⟩ Explosive atmosphere class

European Economic Area certification mark

Environment Friendly Use Period

Example certification labels

Example warning label

Instructions

The Hand Held Test Tool is an ultrasound-generating device used for functional verification of the Searchzone Sonik detector. It may be used in combination with the Searchzone Sonik App running on a suitable mobile device.

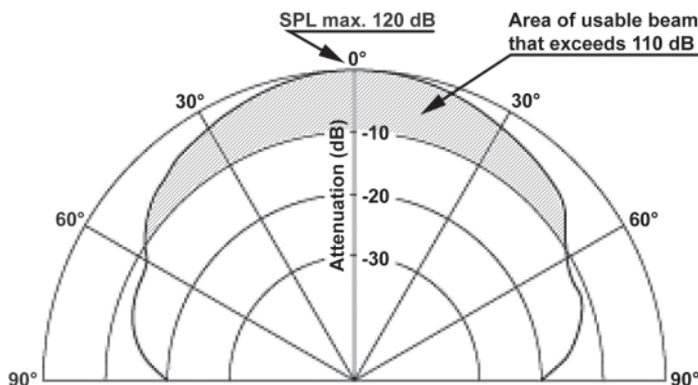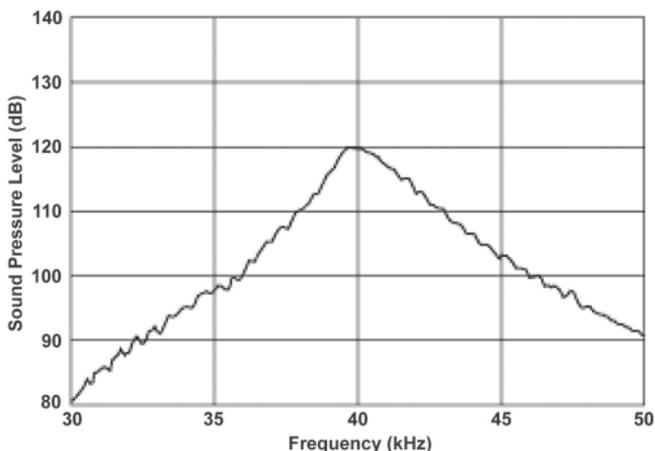The Hand Held Test Tool generates two different test signals to check detector's functionality:

1) **First test signal** is recognized by the detector as a 'bump test' and is used to perform the local test. It is reported through change in detector's LED ring status indicator, however the detector's outputs will NOT be activated. This local test is automatically logged.

2) **Second test signal** is used for END-to-END testing. It is reported as Alarm through detector's LED ring status indicator, relays and through 4-20mA loop.

> ⚠️ *WARNING*
> *While operating the Hand Held Test Tool, do not under any circumstances aim the tool towards your head, or any other person.*

NOTE: When using the Hand Held Test Tool, ensure that it is operated at least 1m from the Searchzone Sonik detector.

Sound pressure levels and usable beam

1. Performing LOCAL Test

> ⚠ *WARNING*
> *Do not under any circumstances aim the detector at the head or ears of you or anyone else.*

1.1 Local test with Hand Held Test Tool alone

1. Ensure that Searchzone Sonik is powered and operational.

2. Aim the Hand Held Test Tool towards the face of Searchzone Sonik detector. Keep the distance between the Searchzone Sonik detector and the Hand Held Test Tool in the range of 1 to 10 m (3.3 to 33 ft.).

3. Press and hold the **Test Button** (Figure ①). The Hand Held Test Tool will produce audible beeps and show a red LED light to confirm that it is emitting the test signal.

4. The detector will recognize the test signal and the LED status indicator will flash red.

5. Release the Test Button. The LED status indicator will return to the default state (green).

In this mode the outputs are NOT affected.

1.2 Local test with Searchzone Sonik App and Hand Held Test Tool

1. Login to the Searchzone Sonik App.

2. Connect the Searchzone Sonik App to the detector.

3. Navigate to the main menu and tap on **Detector Overview**. Then tap on **Proof Test**.

4. Aim the Hand Held Test Tool to the face of the detector. Keep distance between the Searchzone Sonik detector and the Test Tool in the range of 1 to 10 m (3.3 to 33 ft.).

5. Press the **Test Button** (Figure ①) on the Hand Held Test Tool.

6. The detector will recognize the test signal and LED status indicator will flash red.

7. While the Test Button is pressed the Searchzone Sonik App will indicate the test signal as recognized. The test is automatically logged by the Searchzone Sonik App.

8. Release the Test Button.

9. The LED status indicator will return to default state (green).

1.3 END-to-END Test

NOTE: If you are NOT using the Searchzone Sonik App, begin with Step 4.

1. Login to the Searchzone Sonik App.

2. Connect the Searchzone Sonik App to the detector.

3. Navigate to main menu and tap on **Detector Overview**. Then tap on **Proof Test**.

4. Aim the Hand Held Test Tool to the face of the detector. Keep distance in the range of 1 to 10 m (3.3 to 33 ft.).

5. Turn and hold the **Rotating Collar** (Figure ②) to select Test Mode 2. Holding the collar in this position, press and hold the **Test Button** (Figure ①).

6. The detector will recognize the test signal and the visible status indicator will flash red. The alarm relays will change state and the 4-20mA loop will rise to indicate an Alarm condition.

7. While the Rotating Collar is rotated and Test Button pressed the Searchzone Sonik App will indicate the test signal as recognized. The LED status indicator will flash red.

8. Release the Test Button and the Rotating Collar on the Hand Held Test Tool.

9. Detector LED status indicator, relays and 4-20mA loop will return to default state.

1.4 Battery replacement

> **⚠ WARNING**
> *Do not mix battery types. Replace the batteries only with the types listed in Specifications. Use of batteries other than those listed in Specifications will invalidate the certification.*

1. Use a hexagon socket key size 6 mm and rotate it counter-clockwise to loosen the end cap (Figure ③).

2. Slide the battery pack out of the Hand Held Test Tool (Figure ④).

3. Replace batteries in the pack. Refer to the Specifications for acceptable battery types. Position the negative battery terminals against the springs (Figure ⑤).

4. Slide the battery pack into the Hand Held Test Tool.

5. Gently rotate the battery pack clockwise/anticlockwise until it locates in the guide grooves and slide it fully into position. Incorrect position of the battery pack will not allow the end cap to be mounted back (Figure ⑥).

6. Replace the end cap and rotate clockwise. Use a hexagon socket key size 6 mm and tighten gently (Figure ⑦).

1.5 Specifications

Environmental	-20°C to +50°C (-4°F to +122°F); 0 % to 100 % RH condensing
Output Signals	Test Signal 1 - 40 kHz , min. 96 dB SPL at 1 m Test Signal 2 - 40 kHz , min. 96 dB SPL at 1 m
Signal Range	max. 10 m
Storage Temperature Range	+5°C to +30°C (+41°F to +86°F)
Internal Battery Cell	AAA type, primary cells, following types allowed only: • Duracell ID2400 Industrial AAA cell • Duracell PC2400 Procell AAA cell • Duracell MN2400 Deluxe AAA cell • Duracell QU2400 Quantum AAA cell • Duracell MX2400 Ultrapower AAA cell • Duracell MN2400 Pluspower AAA cell
Battery Life	min. 100 tests per year for 5 years, starting with a new set of AAA primary cells
Weight	668 g (1.47 lbs)
Dimensions	100 mm x 150 x 50 mm
Ingress Protection	IP 66
Compliance to Standards	EMC Directive RoHS China RoHS
Safety Approvals	ATEX / IECEx – DEMKO20ATEX2247 / IECExUL20.0043 ⟨Ex⟩ II 2 G Ex ia IIC T4 Gb Ta -20 °C to + 50 °C cULus – E 465385 Cl I, Div 1 Grps A, B, C, D T4 Class I Zn. 1 AEx ia IIC T4 Ex ia IIC T4 Ta -20 °C to + 50 °C

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