















LEAKSHOOTER
LEAK DETECTION CAMERA

LEAKSHOOTER® V2+ & V3+

Quick Start user manual for leak detection



WITH INTEGRATED CONE: (INT mode, with or without headphones)

1. Switch LEAKSHOOTER® ON (Max default sensitivity is 106 dB) with  button.
2. Adjust sensitivity (GAIN) with  horizontal buttons according to the ultrasonic noise around the device and try to find a clear leak direction.
3. If you have saturation (target always present), point the camera to the floor and slowly decrease sensitivity to be in the green bargraph part. Then try again to find a clear leak direction by scanning your scene.
4. You can adjust sound level with  vertical buttons.
5. When you have found the leak, you can click on  button to get an estimation of leak severity (condition: 6 BAR to 8 BAR pressure, 1m distance between leak and cone and no saturation). You see a number from 1 to 100, 1 is very small, 80 is very big. You can also have an estimation of flow and cost if you fill in some data in MENU (via  button), under  icon.
6. To take a picture of a leak, click on  button, again on  to give it a name with on screen keyboard or –  to escape and validate it with  keyboard button.
7. To COPY, PASTE, DELETE photos to PC, connect the USB cable, go in MENU (via  button) and click on  icon USB mode. Windows will open a window with 2 folders: leakshooter and strapshooter. Open leakshooter folder and COPY/PASTE/DELETE your photos on your PC. **Before disconnect cable, be sure to secure with “USB EJECT/REMOVE OK” in WINDOWS TASK BAR.**

WITH EXTERNAL FLEXIBLE PROBE: (EXT mode, with or without headphones)

1. Same use as before, but be sure to be in EXT mode (automatic detection).

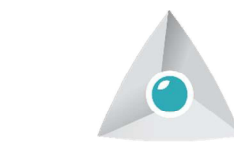
NB: Please charge battery only when capacity is <30%. Please charge maximum during about 2H30 (fast charge, it can heat a bit, it is normal).



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LEAK DETECTION CAMERA



















LEAKSHOOTER® V3+

Quick Start user manual for Steam Trap analysis








SYNERGYS
TECHNOLOGIES

WITH STRAPSHOOTER® PROGRAM - REAL TIME MODE (with or without headphones):

1. Switch LEAKSHOOTER® ON (Max default sensitivity is 106 dB) with  button.
2. Connect your contact probe on the big jack connector and select internal probe  in MENU (via  button).
3. Activate  STRAPSHOOTER® program.
4. Choose the REAL TIME mode , put your contact probe on your trap main body and click on START . You can see ultrasonic activity (blue curve) during 30 sec and it starts again. Click on STOP  when you think it is enough as information. Then, launch the thermal imager  and wait a few seconds. Target your trap and click on  button to freeze it to take measurements on it. We recommend 0,3 to 0,5m distance for capture.
5. Select  (before the trap, on pipe) or  (after the trap, on pipe) and place cursor with  buttons. Validate temperature with  button. If you want to save thermal image, click on  button. Then escape. If thermal image is not saved, T°IN and T°OUT are saved as information on REAL TIME curve.
6. Now you can or not save all results. If yes, click on  button, take your steam trap picture by clicking on  button again. Give a name to the file and valid it with  on the screen keyboard.
7. To COPY, PASTE, DELETE photos to PC, connect the USB cable, go in MENU (via ) and select **USB** mode. Windows will open a window with 2 folders: leakshooter and strapshooter. Open strapshooter folder and COPY/PASTE/DELETE your photos on your PC. **Before disconnect cable, be sure to secure with "USB EJECT/REMOVE OK" in WINDOWS TASK BAR.**

WITH STRAPSHOOTER® PROGRAM – AUTO MODE (with or without headphones):

1. Same use as before, but chose AUTO mode . Do not forget to do REAL TIME mode before and settle trigger parameters (Low Level  usually curve minimum level +2 dB) and Delta  (usually 2 dB)) in parameters  icon. You can chose between 30s to 300s for analysis time  duration depending on your trap technology and size.

NB: Please charge battery only when capacity is <30%. Please charge maximum during about 2H30 (fast charge, it can heat a bit, it is normal).

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