



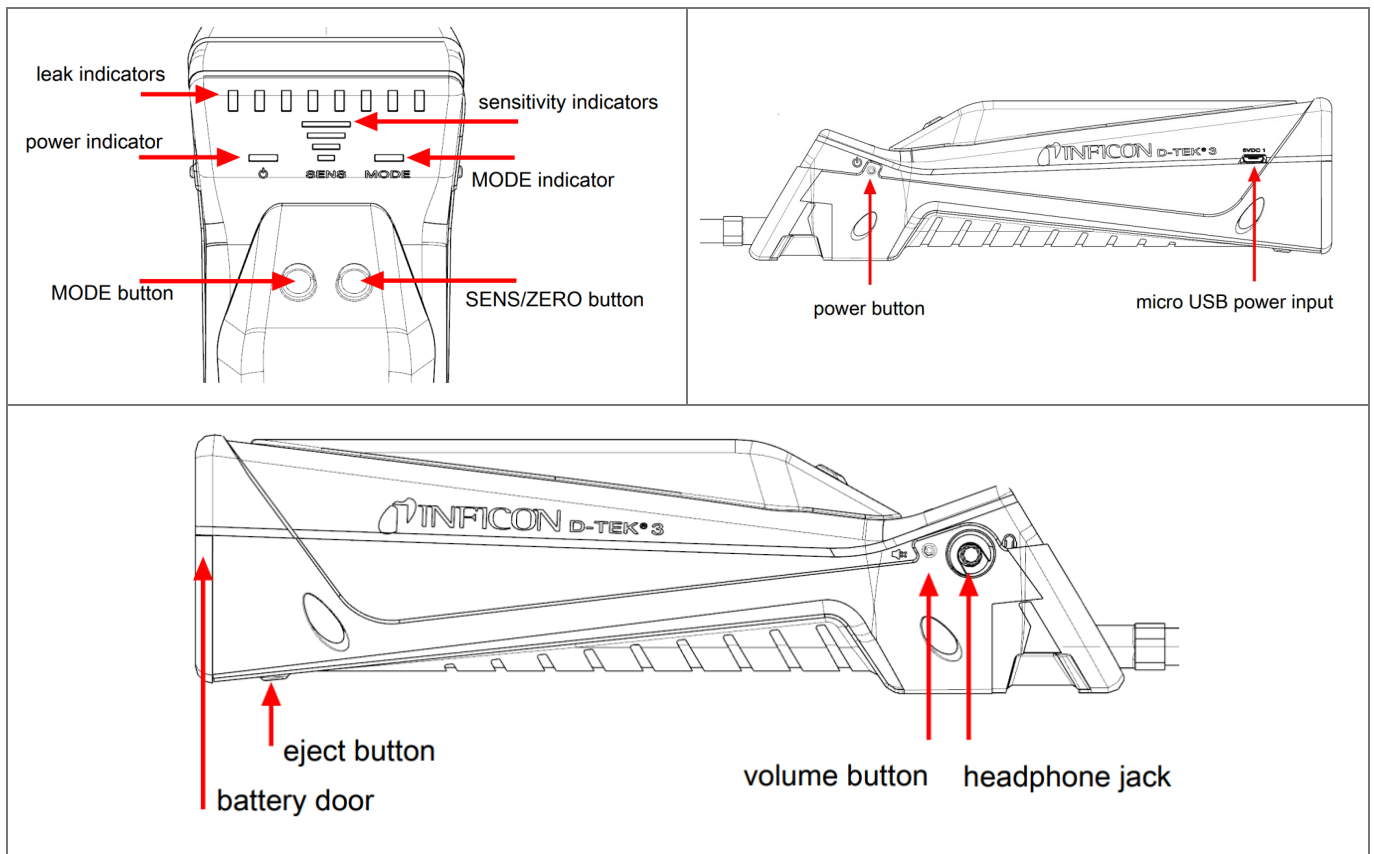
INFICON D-TEK 3 Refrigerant Leak Detector User Guide

[Home](#) » [INFICON](#) » INFICON D-TEK 3 Refrigerant Leak Detector User Guide 





Quick Start Guide
D-TEK® 3 Refrigerant Leak Detector



Contents

- [1 Turning D-TEK 3 on and preparing for use](#)
- [2 Using Pinpoint mode](#)
- [3 Manual Zero mode](#)
- [4 Removing and installing the lithium-ion battery](#)
- [5 Replacing and installing the sensor](#)
- [6 Replacing filters](#)
- [7 Charging and Battery Information](#)
- [8 Documents / Resources](#)
- [9 Related Posts](#)

Turning D-TEK 3 on and preparing for use

1. Long-press the power button to turn D-TEK 3 on or off.
 - ⇒ If the power indicator does not illuminate, the battery is very low and needs to be charged. D-TEK 3 can be used while charging.
2. D-TEK 3 begins a warm-up for 45-90 seconds. When the warm-up is complete, D-TEK 3 is ready for use.
3. To switch modes, press the **MODE** button. This toggles between **Pinpoint** and **Manual Zero** modes.
 - ⇒ D-TEK 3 always starts up in the last mode that was used.

Using Pinpoint mode

1. Place the tip of D-TEK 3 as close as possible to the suspected leak. Do not block the airflow.
2. Slowly (2.5 to 5 cm [1 to 2 in.] per second) move the probe past each possible leak point. If a leak is detected, D-TEK 3 alarms and the leak indicators illuminate.

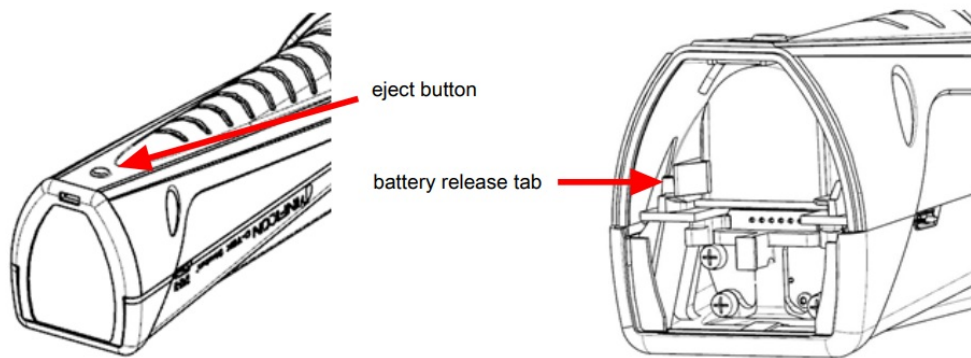
- ⇒ In Pinpoint mode, D-TEK 3 automatically zeros to the background refrigerant concentration after a few seconds. When this occurs, either continue looking for a higher concentration of a refrigerant or move to an area of lower concentration to reset the zero point.
3. When a leak is identified, pull the probe away from the leak for a few seconds and then return the probe to the suspected leak site to verify the leak.
- ⇒ For leaks of varying sizes or SAE applications, press the SENS/ZERO button to switch the sensitivity mode. The current sensitivity is indicated by the sensitivity (SENS) indicators. Refer to the full operating manual online for more information about SAE applications.

Manual Zero mode

Manual Zero mode operates in a similar way to **Pinpoint** mode but allows the user to manually zero the instrument to the background refrigerant by pressing the **SENS/ZERO** button. The **SENS** indicators flash briefly to indicate a new zero point has been set. The **MODE** indicator flashes slowly while in **Manual Zero** mode.

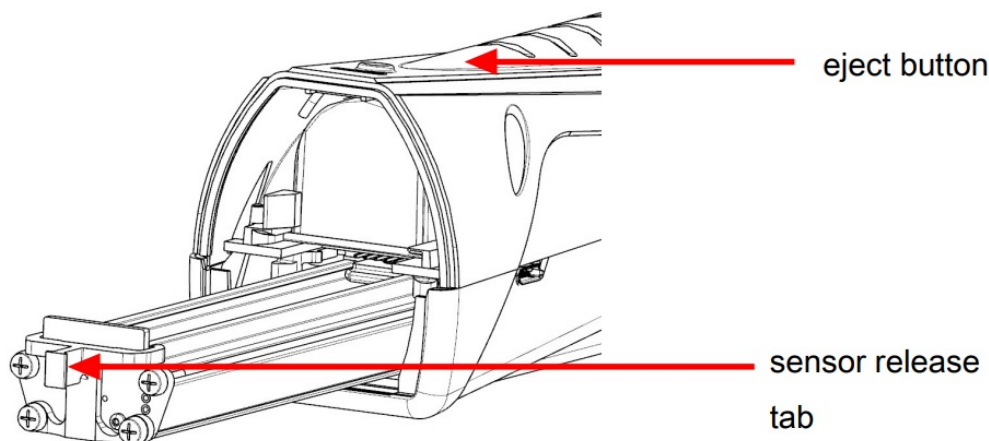
NOTE: There is no sensitivity setting in **Manual Zero** mode.

Removing and installing the lithium-ion battery



1. Press the eject button to release the battery door.
 2. Move the battery release tab to the side until the battery begins to eject.
 3. Slide the battery out.
 4. Align the new battery with the rails.
 5. Gently push the battery along the rails until the battery release tab engages.
- ⇒ Do not force the battery. If it does not slide freely, check alignment and try again.
6. Reinstall the battery door.

Replacing and installing the sensor



1. Press the eject button to release the battery door.
2. Grasp the sensor release tab and gently pull the sensor out.
3. Align the new sensor with the rails.
4. Gently push the sensor along the rails until it clicks into place.
 - ⇒ Do not force the sensor. If it does not slide freely, check alignment and try again.
5. Reinstall the battery door.
 - ⇒ The MODE indicator will change to green if a CO₂ sensor is installed.

Replacing filters

1. Unscrew the probe tip and remove the filter.
2. Insert the new filter into the probe tip.
3. Screw on the probe tip.

Charging and Battery Information

To charge D-TEK 3, plug the supplied USB cable into an appropriate power source and plug the micro USB end into the D-TEK 3 micro USB power input. The power indicator slowly flashes while charging. The color of the power indicator indicates the charge percent.

Color	
Green	>30%
Orange	10-29%
Red	<10%

NOTE: D-TEK 3 can be operated while charging.

NOTE: A new lithium-ion battery will only be partially charged. It is recommended to fully charge the battery before use. Allow approximately 3 hours for a full charge.

Cautions:

- Only use a certified charger/cord with an output of 5V (dc), 1A
- Keep the device out of extremely high or low-temperature locations

- Temperature ranges and humidity:
 - Storage: -20-60°C (-4-140°F)
 - *Operating: -20-50°C (-4-122°F)
 - Charging: 0-45°C (32-113°F)
 - Humidity: 95% RH NC maximum
- Do not expose battery to liquid
- Do not use the device if you notice any damage to the battery
- Do not disassemble or modify the battery
- Handle and dispose of the battery per local regulations
- If the recharging operation fails to complete, even when the specified recharging time has elapsed, immediately stop further recharging
- Do not leave the battery unattended while charging
- Unplug the charger when the battery is fully charged
- Improper use or disposal of lithium-ion batteries can cause a fire
- Not intended for use in flammable environments

*Use in temperatures below 0°C (32°F) should be limited. Extended warm-up time is recommended before use in low-temperature environments.

Download the full operating manual from



<https://l.ead.me/bb8aml>
www.inficonservicetools.com



Laboratory Accurate. Tool box Tough,

Two Technology Place
 East Syracuse, NY 13057-9714 USA
 Phone: +1.800.344.3304
 Fax: +315.434.2520

E-Mail: service.tools@inficon.com
www.inficonservicetools.com

Bonner Strasse 498
 D-50968 Cologne, Germany
 Phone: +49 221 56788-660
 Fax: +49 221 56788-9660

E-Mail: servicetools.europe@inficon.com
www.inficonservicetools-europe.com


Due to our continuing program of product improvements, specifications are subject to change without notice.

All trademarks are the property of their respective owners.

074-711-P10A

©2020 INFICON

Documents / Resources

 <p>Quick Start Guide D-TEK[®] 3 Refrigerant Leak Detector English, Spanish, Deutsch, Français, Italiano, 中文, 日本語 Printed: 10/10/2019 10:00 AM 10/10/2019</p>	<p>INFICON D-TEK 3 Refrigerant Leak Detector [pdf] User Guide D-TEK 3, Refrigerant Leak Detector</p>
--	--

Manuals+