leaklocate
powered by FIDO AI



The only tool you need to find any water leak

Leak Locate

All-in-one leak location by subscription using an app and a simple hardware device

Leak Locate reliably and repeatedly guides your team from leak alert to repair validation using an app and the same robust, portable device as a mobile logger, a correlator and a ground microphone.

Designed with water operations experts, it fits seamlessly with any of your existing processes or equipment with minimal training.

FIDO's robust hardware is guaranteed for 5 years and needs no charging or calibration.

Key features

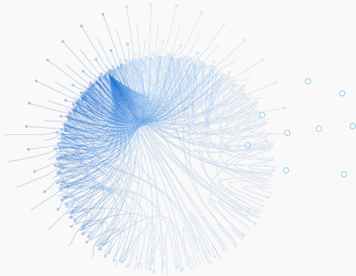
- Lift-and-shift logging
- Leak detection by size
- Consumption profiling
- Sounding Lite (asset sounding)
- Correlation
- Top Sounding (ground microphone)
- Repair verification



What is included?

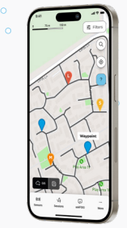
Leak Locate is an easy way to locate any water leak on any pressurised distribution pipe in any material.

Each subscription includes:



FIDO AI

Our market-leading cloud-based algorithm which delivers accurate leak detection, size and location results from acoustic and kinetic pipeline data.



The FIDOSmart app

Intuitive user interface for any Android or iOS smartphone. Use it to instruct sensors and get instant results simultaneously infield and in the office.



Sensors

Compact versatile hardware for high-definition data capture. Can be used as mobile loggers, correlators, ground microphones and more. Just buy the number you need.



AskFIDO

In-app GPT-4 leakage assistant providing next step task guidance in natural language for all skill levels.



FIDO Portal

Track progress and review all your activity 24/7 on your desktop or via API to your existing platform.

How to use Leak Locate

Leak Locate covers every aspect of the leak investigation process from the moment a leakage point of interest is identified on your network.

Because Leak Locate incorporates market-leading FIDO AI analysis at key points, it continually learns from the behavior of your network.

The Leak Locate process

1

Deploy the sensors on any network or customer side fittings to sample acoustic and kinetic pipeline data. With practise, a technician can deploy up to 40 sensors in around four hours.

2

Instruct the sensors to complete any task using your smartphone.

3

Use your app to upload the sensor data and get instant results on your phone.

4

Sensors can be used a mobile loggers, correlators and ground microphones to provide multiple points of evidence to mark up the leak.

5

Finally, use them to validate the success of repair work.

6

Move your sensors between different areas to build a complete picture of your network's performance, using leak sizing to prioritize your workload for maximum efficiency.



Buying Leak Locate

By using the same sensors for sensing, sounding, correlation and repair validation, Leak Locate costs thousands less than traditional equipment bought separately.

Just choose how many sensors you need and sign-up for the app.

Here's how:

1

Buy the number of sensors you need.
You can scale up and add more sensors as you need them. The more sensors you have, the more you can do with Leak Locate.

2

Subscribe to the FIDOSmart app.
Every Leak Locate subscription includes unlimited data for all your sensors and 24/7 access to your data on the online FIDO Portal.

Everything else is included*. Our hard-wearing sensors are guaranteed to last 5 years without the need for battery-change, recharging or calibration.

*Ancillary equipment is available at extra cost but is not essential

Technical specification

Sensor

Weight
88g / 3.1oz

Dimensions
W: 50mm / 1.97in H: 59mm / 2.3in

Material
Polycarbonate resin with neodymium magnet and nitrile rubber O-ring

Ingress protection
IP68

Communication
Bluetooth LE

Operating temperature range
-20C to +70C / -4F to +158F

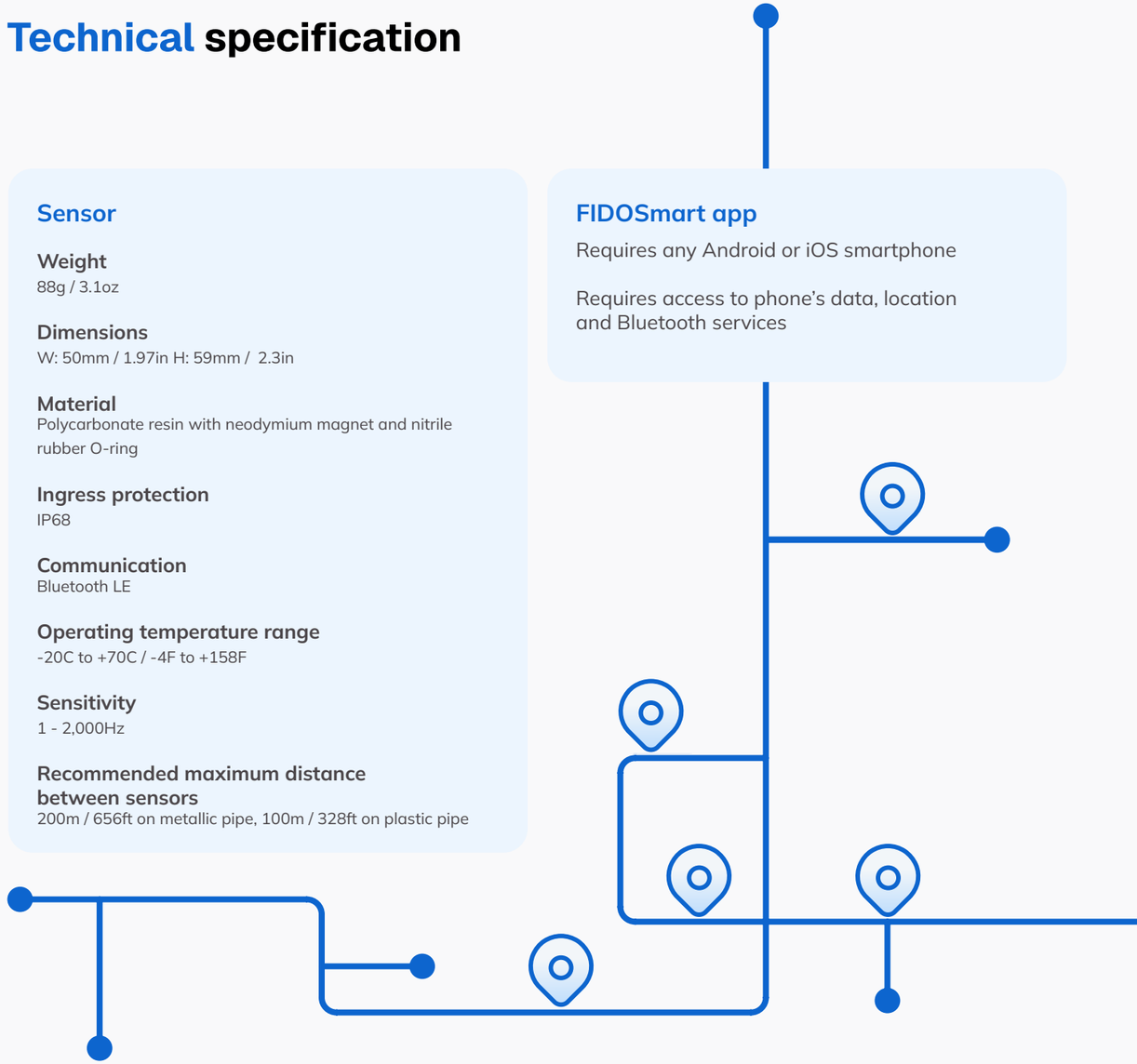
Sensitivity
1 - 2,000Hz

Recommended maximum distance between sensors
200m / 656ft on metallic pipe, 100m / 328ft on plastic pipe

FIDOSmart app

Requires any Android or iOS smartphone

Requires access to phone's data, location and Bluetooth services



How many sensors do you need?

Leak Locate is the ultimate in flexibility and scalability. Start small and buy more sensors as you need them, or dive straight in to maximise your impact.

Buy the exact number of sensors you want, opt for one of our starter packs below or let us build you a personalised solution around your needs. Just drop us a line. A member of our expert team will be happy to help.

A single sensor can be used to take soundings at fittings or on the ground. Use any two sensors as correlators to accurately locate a leak between two points, then use one sensor to take ground soundings to pinpoint it precisely. Leave any sensor in position to monitor leak degradation and eventually validate the repair to close the investigation.



Locate pack (4 sensors)

Lightweight starter pack with semi-rigid carry case. Includes top sounding base, ground spike and asset tether.

Use it for investigating **single points of interest or Waypoints.**



Investigate pack (40 sensors)

Includes water resistant backpack, top sounding base, ground spike and two asset tethers. **Perfect for rapid sensor deployment over a large area on foot.**

Use it for **reactive investigations over a wider area** in response to network events like breakouts, poor pressure or customer complaints. **Includes all the functionality of the Locate kit.**



Sweep pack (75 sensors)

Includes rigid hard shell flight case for compact van storage.

Use it proactively for **lift-and-shift logging and DMA or other area sweeps** to generate maps of leak activity, ranked by size for rapid network performance visibility of workload prioritization. **Includes all the functionality of the Locate and Investigate kits.**



About FIDO Tech

FIDO Tech is a global leader in technology for water network management.

Our reliable AI tools give water providers reliable in-field efficiency and strategic data insight with unbeatable return on investment.

Try more of our FIDO AI products

All FIDO solutions are designed to work seamlessly together. Use Leak Locate with Network Monitor and get new points of interest ranked by size delivered daily.

With Network Monitor, small IoT comms devices are deployed alongside your FIDO sensors for permanent fixed network monitoring. FIDO AI automatically analyses data and sends you daily leak alerts ranked by size. No need for manual analysis or alarm thresholds. FIDO analyses every noise and filters out non-leaks.

networkmonitor↑
powered by FIDO AI

Strategic fixed network monitoring with LTE and NBIoT data transfer for accurate automated AI leak detection and leak sizing.

Contact FIDO

Email sales@fido.tech
fido.tech/leak-locate