



FLUKE®

Detect and visualize leaks

with Fluke ii900/ii910 acoustic imaging technology.

Helping you improve uptime, save energy costs, and reduce your carbon footprint.

With Fluke's Acoustic Imager Series, anyone can identify if and where a compressed air leak might exist, and what size the leak is.

Simply scan your facility and the leaks will appear on the 7-inch display. Leak inspections used to be time consuming and difficult. The Fluke Acoustic Imager Series (Fluke ii900 Industrial Acoustic Imager and Fluke ii910 Precision Acoustic Imager) makes leak inspections easy, comprehensive, and time saving—even in the noisiest of environments.



Learn more about leak detection ➔

Why you really need a Fluke Acoustic Imager

Get one step ahead of problems caused by air, gas, vacuum leaks while saving energy costs, avoiding unplanned downtime, keeping your staff safe and managing your quality assurance. The ii900 can help you succeed in your job.



Reduce costs

Research has shown a plant with compressed air can waste up to 30% of its total compressed air production capacity through leaks. Find the leaks, reduce waste, save money.



Build maintenance efficiency

Enable your maintenance team to easily standardize leak detection audits and fix leaks on the go, and simplify reporting leaks in your workflow system.



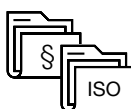
Eliminate more unplanned downtime

Unplanned downtime costs an average of \$200 per minute—get ahead of it.



Optimize asset performance

Build asset-specific historical data for preventive maintenance planning.



Generate reports

Generate reports and analyze losses to meet ISO50001 energy management requirements.



Improve safety around hazardous gases

Propane, methane, fuel, acetone, ethanol, and benzene are among the hazardous gases that can be found within commercial and residential areas. Leaks of some gases can result in an explosion. Quickly pinpoint invisible and difficult-to-access leaks to improve safety.



Safeguard production quality

A drop in system pressure can make air tools function less efficiently and adversely affect production quality. Leaks can cause system pressure drops and shorten the life of system equipment, including the compressor.



CO2 emission estimator

With the new CO2 emission estimator (weight) feature, part of the Fluke Online LeakQ reporting tool, you can quantify the impact of each individual and total number of leak(s).

Quantify CO2 emissions impact

Quantify the environmental and financial value of compressed air leaks. Drastically reduce your energy use and carbon footprint which helps ensure cleaner air, water, and food for our generation and for generations yet to come.

How does acoustic imaging work?

Fluke Acoustic Imagers are sound cameras that include an array of 64 micro-electronic surface mount microphones to capture sound waves emanating from an object.

With advanced electronics and software algorithms, sound signals are converted into an image and overlaid onto a visual image—(SoundMap™)—on the 7-inch, 1280 x 800-pixel LCD touchscreen. Like thermal camera technology for heat, acoustic imaging accurately pinpoints the direction of sound waves in a wide range of frequencies such as those from compressed air system leaks or partial discharge. Compressor system leaks typically range from 30 to 60kHz and partial discharges (electrical leaks) typically range from 20 to 110 kHz.

5 reasons to choose Fluke acoustic imaging

1 Intuitive user interface

Quick, easy, and intuitive user interface with everything you need right at your fingertips—get going in about 5 minutes.

2 Large 7" touch screen

High resolution 7" capacitive, full color touch screen with outstanding view ability, supports interaction with interface menu.

- a** LeakQ™ scale (1-10)
- b** Est. losses in currency (\$, €, £ etc)
- c** Est. losses in volume (L/min, CFM)
- d** Distance indication
- e** Frequency selection slider
- f** One button capture image
- g** Profile selection
- h** Folder selection

3 LeakQ™

A powerful artificial intelligence analytical and reporting tool that calculates volume and costs of each individual leak on the go. An automatic scan, in the frequency spectrum up to 100 kHz, captures the actual frequency range and the sound pattern in which the leak generates most of its sound energy. The automatic distance measurement makes the Leakage estimation even more accurate. This technology enables the most accurate calculation of leak size and losses in its class. The integrated CO₂ emission estimation reporting allows high accuracy of loss estimation and will help prioritize which leaks deserve attention first.

4 Asset tagging

Properly tag leak measurements by adding photo notes, asset identifiers, and text notes. Use QR codes to easily identify your assets and inspection points. No hassle or errors with seamless integration using the FlukeConnect™ desktop software.

5 Operating time

The two quick swappable rechargeable batteries with status indicator, each bringing 6 hours operating time to keep you going all day long.





Key features ii900/ii910

The Fluke ii900/ii910 are developed, designed and manufactured in line with Fluke's high quality brand promises. The robustness and microphones protection against ingress of dust enables you to use the camera in harsh environments.

- **Large frequency range** Up to 100kHz
- **Leak detection range** Up to 120m
- **Display** Large 7" touchscreen
- **Image capture** Single-click button
- **Operating time** Up to 12hrs operation
- **Reporting software** Free online and offline
- **Leak measurement** Leak Volume in l/min, Leak costs, CO2 emission
- **Annotation** Asset tagging, QR code, photo notes, text notes
- **Zoom** 3x digital zoom
- **Distance to spot** Automatic measurement
- **Sonic filtering** SoundMap™ with filter range
- **Form factor** Industrial-proven design
- **Data capture** Image, video, LeakQ, PdQ, pulse count, distance, Db level, sound pattern
- **Partial discharge** PD type, pulse count of PD, PRPD plot

Whats in the Box:

- ii900 or ii910 Acoustic Imager
- BP291 - Rechargeable Lithium-ion Battery Pack (x2)
- EDBC290 - External Battery Charger/Power Supply with Country-Specific Adapters
- TiX5XX-NECK - Neck Strap
- ii900 Hand Strap
- USB-C Cable, 1 m (3.3 ft)
- Acoustic Sensor Covers (includes 1 spare cover)
- CXT1000 - Rugged protective hard-cover carrying case

Fluke. *Keeping your world up and running.®*

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Learn more: www.fluke.com/ii900