

NEW

FLUKE®

FLUKE ii905, ii915, and ii500 Acoustic Imagers



SOUNDSIGHT™ TECHNOLOGY

ACOUSTIC IMAGING

Blended live SoundMap™ with visual image

DISPLAY

7-inch 1280 x 800 LCD with capacitive touchscreen

LEAKQ™ MODE

Leak quantification: on-device estimated leak size and cost indications

MECQ™ MODE

Mechanical inspection: on-device feature to detect and document mechanical issues, available on ii915

PDQ MODE™

Partial discharge: on-device PD classification, available on ii915

SoundSight™ refers to the Fluke technology of converting sound waves to a visual image.

The all-in-one tool you have been looking for to visualise leaks, partial discharge, & mechanical issues.

Leaks: Hidden Costs Due to Leaks in Compressed Air, Gas, Steam, and Vacuum Systems.

While most manufacturers know these leaks exist, addressing them has been time-consuming and tedious. With the Fluke ii Series and minimal training, your maintenance technicians can begin checking for leaks during their typical maintenance routine—even during peak operation hours. The ii Series Acoustic Imagers let technicians see sound as they scan hoses, fittings, and connections for leaks.

Its built-in acoustic array of tiny sensitive microphones generates a spectrum of decibel levels per frequency. Based on this output, an algorithm calculates a sound image, known as SoundMap™, that is superimposed on a visual image.

The SoundMap is automatically adapted depending on the frequency level selected so that background noise is filtered out, making it incredibly simple to detect compressed gas leaks.



Mechanical: First-Line Inspection to Locate Potential Mechanical Issues Early and Avoid Unplanned Downtime

Conveyor systems, with their vast size and intricate components, often pose a maintenance challenge, threatening to disrupt production and cause unplanned downtime. The Fluke ii915 with MecQ™, a game-changer in the field, enables efficient scanning of large areas, detecting and documenting potential issues for more targeted maintenance. With its contactless scanning and advanced noise filtering, the Fluke ii915 Acoustic Imager with MecQ™ Mode ensures safety and delivers clear images even in high-noise environments. By detecting areas of concern early on, it instills confidence in its users, enabling proactive measures to prevent costly problems, surpassing traditional methods. For professionals seeking to ensure seamless operation of large conveyance systems, the Fluke ii915 Acoustic Imager with MecQ™ is the ultimate choice.

Partial Discharge: The Invisible Threat... Now You Can See

Partial discharge, a serious issue that can lead to arc flash fires, blackouts, explosions, and danger to life, is now a visible threat. Whether you are inspecting insulators, transformers, switch gears, or high-voltage powerlines, the Fluke ii915 Acoustic Imager with PDQ Mode™ is your proactive tool. This tool, designed for high-voltage electricians, electrical test engineers, and grid maintenance teams, translates the sound of partial discharge into visuals that pinpoint the location. With an extended frequency range of 2-100 kHz, the ii915 enables early detection of potential problems, empowering you to plan maintenance and prevent catastrophic events.



| | ii500 | ii905 | ii915 |
|---------------------------------|-----------------------------|--|--|
| LeakQ™ | Scale (1-10) | Leak size scale, leak rate, and leak cost estimation | Leak size scale, leak rate, and leak cost estimation |
| PDQ Mode™ | | | • |
| MecQ™ | | | • |
| Wi-Fi | | • | • |
| Frequency | 2 to 52 kHz | 2 to 65 kHz | 2 to 100 kHz |
| Detection Range | Up to 50 meters (164 feet)* | Up to 70 meters (230 feet)* | Up to 120 meters (393 feet)* |
| Visual Camera Resolution | 0.3 MP | 5.0 MP | 5.0 MP |
| Battery Life | 6 hours | 6 hours | 6 hours |
| Memory | 20 GB | 32 GB | 32 GB |
| Tripod Connector | | • | • |

*Depending on ambient conditions



Large 7" touch screen
High resolution 7" capacitive, full colour touch screen, supports interaction with interface menu.

Operating time
Stay powered all day with six hours of operating time

One button capture image
Capture images on-the-go with one click, no need to navigate the menu for image capture

Intuitive user interface
Easy to use with minimal training.

- Features supporting common workflows
- Unique customisable frequency band filter
- On-device real time data
- Customisable profiles for different inspection types

Ergonomic to use
Adjustable hand strap and adjustable neck strap

Tripod connector
ii915 and ii905 models come with standard 1/4"-20 UNC threaded hole for easy tripod mounting and clear images or video

Annotate and tag
Tag your inspections by adding photo notes, asset identifiers, text notes, and follow-up actions, including priority. Use QR codes to easily identify your inspections. No hassle or errors with seamless integration using the FlukeConnect™ desktop and online reporting software.

Reduce the frustration of unplanned downtime in four easy steps

1. Locate

Quickly and easily scan areas and pinpoint where unusual sounds are coming from – even those sounds out of range for human hearing.

2. Document

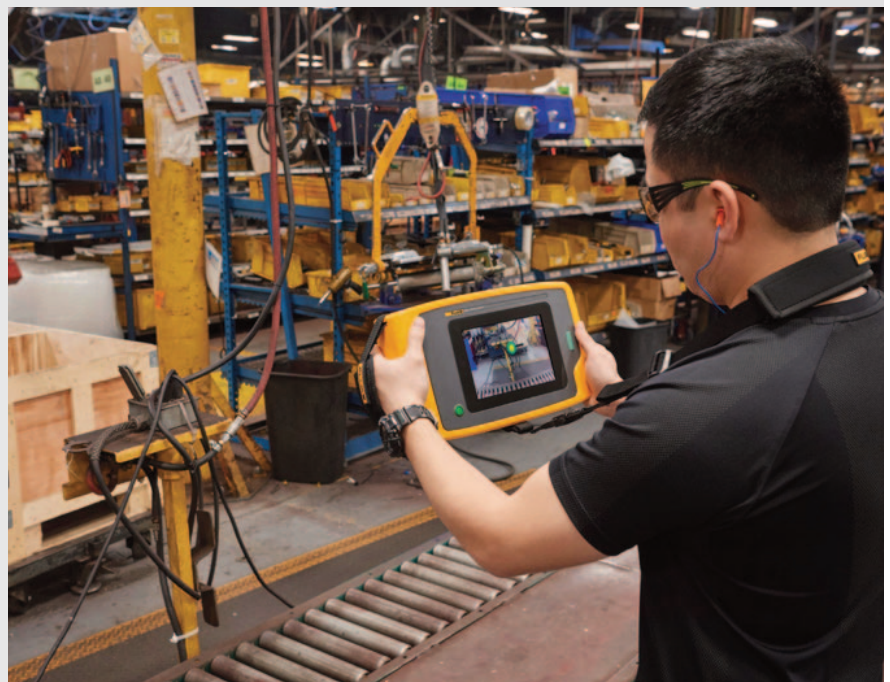
Take a screenshot of the point of interest. Then annotate and tag the photo to define follow-up action and urgency.

3. Share

Share the annotated screenshots with your team so they can respond and schedule maintenance.

4. Repair

Investigate the pinpointed areas further during planned downtime to determine what the problem is and proactively fix it.





Included

- Acoustic Imager
- Power supply*
- Lithium-ion smart battery pack
- USB-C cable
- Rugged hard carrying case
- Array sensor cover
- Adjustable hand strap, and adjustable neck strap

* ii500 includes a battery charging bay



| Part No. | Description |
|----------|--|
| FLUII500 | Acoustic Imager with LeakQ™: Detect, Locate and Capture Gas Leaks |
| FLUII905 | Acoustic Imager with LeakQ™: Detect, Locate and Assess Gas Leaks |
| FLUII915 | Acoustic Imager with Partial Discharge Detection and Visual Leak Detection |