

**FLUKE**

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# Fluke ii900 Sonic Industrial Imager

★★★★★ (0)



## Key features

- Do more with the same air compressors – delay the capital expense of purchasing an additional compressor
- Ensure proper air pressure to your pneumatic equipment
- Lower utility costs
- Reduce leak detection time
- Improve reliability in your production line

- [LeakQ Report Generator \(https://www.fluke.com/en/learn/tools-calculators/leakq-report-generator\)](https://www.fluke.com/en/learn/tools-calculators/leakq-report-generator)

## Product overview: Fluke ii900 Sonic Industrial Imager

Equipped with an array of microphones for an expanded field-of-view, the handheld Fluke ii900 Sonic Industrial Imager enables maintenance teams to quickly and accurately locate air, gas and vacuum leaks in compressed air systems; even in noisy environments. Specifically designed for noisy production facilities the new SoundSight™ technology is simple to learn and easy to implement. The 7" LCD touchscreen overlays a SoundMap™ on a visual image for quick leak location identification. The straightforward, intuitive interface allows technicians to isolate the sound frequency of the leak to filter out loud background noise. In a matter of hours, the team can inspect the entire plant – during peak operations. For the first time, you can quickly and easily identify the air leak repairs needed to ensure efficient operations and reduce utility bills. Images can be saved and exported for reporting purposes. Never leave air leaks unattended again.

## Specifications: Fluke ii900 Sonic Industrial Imager

<b>Sensors</b>	
# of microphones	64 digital MEMS microphones
Frequency band	2 kHz to 52 kHz
Sound pressure sensitivity	Detects a 0.005 CFM leak at 100PSI from up to 32.8 feet (Detects a 2.5 cm <sup>3</sup> /sec leak at 7 bar from up to 10 meters)

<b>Sensors</b>	
Operation distance range	0.5 to > 50 meters (1.6 to > 164 feet)*
Field of View	63 ° ± 5 °
Minimum Frame Rate	12.5 FPS
<i>*Depending on ambient conditions</i>	

<b>Built-in digital camera (visible light)</b>	
Field of View (FOV)	63 ° ± 5 °
Focus	Fixed lens

<b>Display</b>	<b>7" LCD with backlight, under-sunlight readable</b>
Resolution	1280 x 800 (1,024,000 pixels)
Touchscreen	Capacitive
Acoustic Image	Yes, SoundMap™ image

<b>Image storage</b>	
Storage capacity	Internal memory with the capacity for 999 picture files or 20 video files
Image format	Blended visual and SoundMap™ .JPG or .PNG
Video format	Blended visual and SoundMap™ .MP4
Video length	30 seconds
Digital export	USB-C for data transfer

<b>Acoustic Measurements</b>	
Measurement range	29.3 dB to 119.6 dB SPL (±2 dB) at 2 kHz 21.9 dB to 112.3 db SPL (±2 dB) at 19 kHz 36.6 db to 126.9 dB SPL (±2 dB) at 52 kHz
Auto max/min dB gain	Auto or manual, user selectable
Frequency band selection	User selectable through user-made presets or manual entry

<b>Software</b>	
Ease of use	Intuitive user interface
Trend graphs	Frequency and dB scale
Spot markers	dB level reading at center point of the image

<b>Battery</b>	
Batteries (field-replaceable, rechargeable)	Rechargeable Li-ion, Fluke BP291

<b>Battery</b>	
Battery life	6 hours (product includes spare battery)
Battery charging time	3 hours
Battery charging system	External dual-bay charger, EDBC 290

<b>General Specifications</b>	
Standard palettes	3: Grayscale, Ironbow, Blue-Red
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F) Without batteries
Relative humidity	10 % to 95 % non-condensing
Size (H x W x L)	186 mm x 322 mm x 68 mm (7.3 inches x 12.7 inches x 2.7 inches)
Weight (battery included)	1.7 kg (3.75 pounds)
Main unit rating	IP40 protection against particles 1mm or greater and dripping water
Sensor head rating	IP51
Warranty	2 year
Self-diagnostic notification	Array-health test to identify when microphone array needs attention
Supported languages	Dutch, English, Finish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese
RoHS compliant	Yes

<b>Safety</b>	
General Safety	IEC 61010-1
Electromagnetic Compatibility (EMC) International	IEC 61326-1: Portable Electromagnetic Environment IEC 61326-2-2 CISPR 11: Group 1, Class A
Korea (KCC)	Class A Equipment (Industrial Broadcasting & Communication)
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

## Models: Fluke ii900 Sonic Industrial Imager

**FLK-ii900**

Fluke ii900 Sonic Industrial Imager

Includes:

- Imager
- AC power supply and battery pack charger (including universal AC adapters)
- Two rugged lithium ion smart battery packs
- USB cable
- Rugged, hard carrying case
- Adjustable hand strap and neck strap