

CRY8020 Series

SonoCam Pocket Acoustic Camera

Pocket-Sized. Field-Ready.

Ultra-portable acoustic imaging
for daily inspection.



Gas Leak Detection



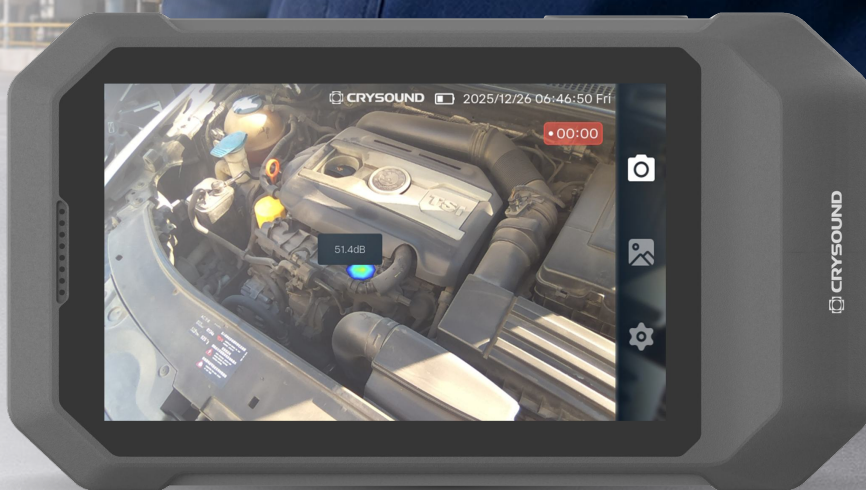
Partial Discharge Testing



HVAC Troubleshooting



Automotive Repairing



**150 × 83 ×
27.5 mm**



270 g



4.3-inch
Touchscreen



64
MEMS
Microphones



32 GB
Internal Storage



3 h
Battery Life

Non-Contact, Faster and Safer

Locate leak sources without
contact—from close range
to long distance.



Real-time
acoustic imaging



Faster than soap tests
and manual probes



Safer inspections in
complex and hard-to-
reach areas

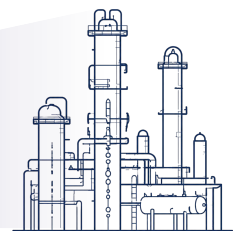


0.3 m ~ 120 m

Test Distance

0.3 m

120 m



Safe

Distance Inspection

Inspect hard-to-reach or elevated
points without close contact.



Accurate

Source Localization

Pinpoint leak and PD sources
with confidence.

See More. Move Less.

Wide field coverage for efficient field inspection.



66° × 52°
Field of View



Capture larger areas
in a single scan



Reduce repositioning
during inspection



Suitable for complex
equipment layouts

Compact and Durable



IP54

Protection



1.5 m

Drop-Tested

Built to withstand demanding industrial environments and everyday handling.



See, Save, Share — Instantly

Capture findings and turn inspections into shareable results.

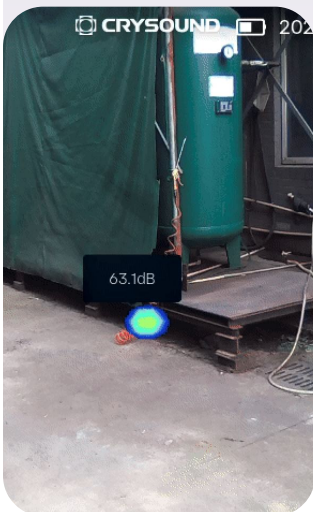
One-tap photo, video, and audio recording keeps evidence clear and complete.

Share on-site via Wi-Fi, USB-C, or the mobile app—no extra steps.

1

Scan

Inspect equipment
in real time.



2

Capture

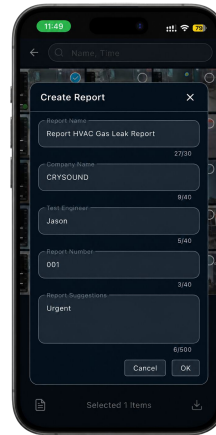
Record and
highlight findings.



3

Generate Report

Create a standardized
report.



4

Share

Share results
instantly.



Built-in storage

Save images, video,
and audio locally.



Fast export

Transfer via
Wi-Fi or USB-C.



Simple workflow

Easy for teams
to adopt.

Faster documentation. Better collaboration. Less guesswork.



More complete records



Better decisions, faster



Confidence on every job

Applications

From Industry to Daily Use

See sound, solve problems faster across industrial maintenance, electrical inspection, facility diagnostics, and everyday troubleshooting.



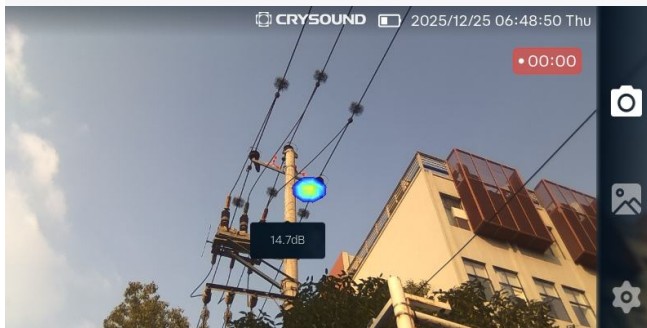
Gas/compressed-air/vacuum leak detection

Non-contact leak detection—faster than soap tests



HVAC & machinery troubleshooting

Pinpoint noisy fans, failing dampers, or find leaks in refrigerators and ducts.



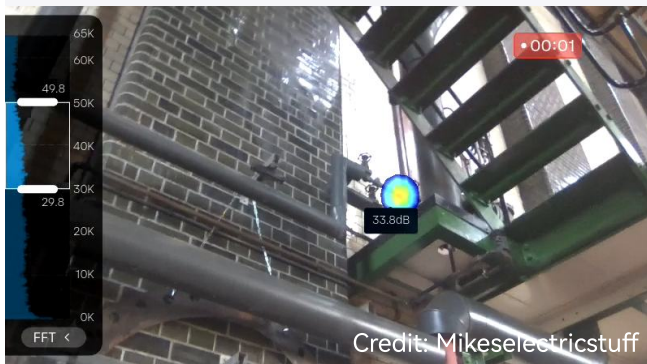
Partial discharge (PD) inspection

Locate suspicious PD hotspots from a safe distance.



Everyday noise localization

Find the real source — not just the loudest direction.



Gas leak user case

SonoCam Pocket Acoustic Camera was used to inspect industrial pipelines and valves for gas leakage. By visualizing ultrasonic leak signals in real time, the camera quickly pinpointed the leakage source in a complex piping area.



Substation user case

Partial discharge in high-voltage substation equipment can be detected quickly and safely by SonoCam Pocket Acoustic Camera. The real-time sound image clearly pinpoints abnormal discharge sources, helping maintenance teams identify hidden insulation risks before failures occur.

Choose the Right Model

Fast inspection or professional analysis
— select the workflow that fits your team.

CRY8024

For quick inspection

Fast localization and mobile reporting
for daily field work.



CRY8025

For professional analysis

Adds leakage assessment, PC post-processing,
and professional report delivery.

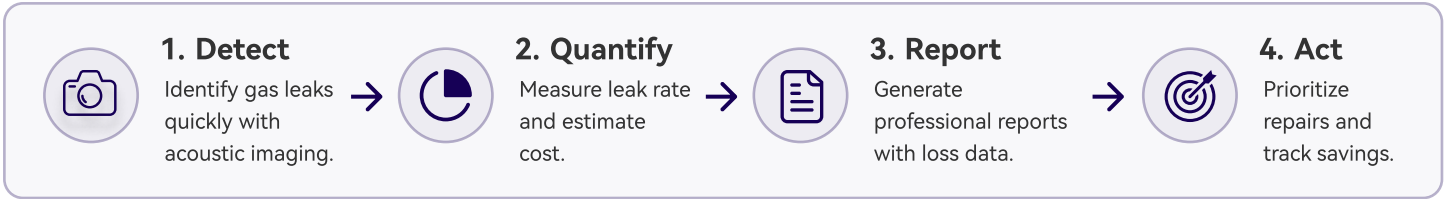


Item	CRY8024	CRY8025
Positioning	Quick locate + quick mobile reporting	Analysis, assessment + formal delivery
Basic leak detection	✓	✓
Basic PD detection / localization	✓	✓
Quick mobile reporting	✓	✓
Leakage assessment	—	✓
PC software	—	✓
Professional report output	—	✓

Fast field work with CRY8024. Complete reporting with CRY8025.

Turn Leak Data into Measurable Value

CRY8025 Real-time Leak Rate Quantification Solution



Real-time Leak Rate Quantification

Evaluate leaks. Prioritize repairs.



- ✓ **Measure leak rate in real time**
Get precise leak rate data for every detected gas leak.
- ✓ **Estimate economic loss automatically**
Calculate annual energy cost based on real operating data.
- ✓ **Support repair prioritization**
Focus on high-impact leaks and maximize returns.

Example Annual Impact*

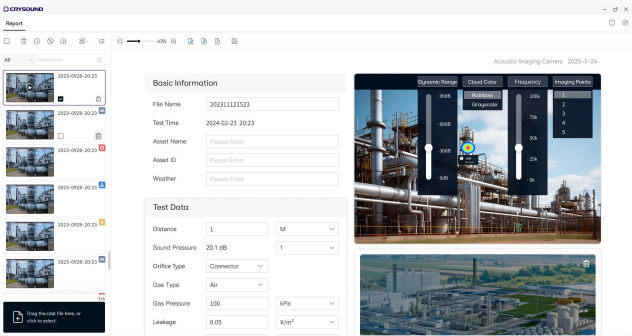
Estimated Annual Loss	Estimated Repair Cost	Estimated Annual Savings
\$41,472	\$6,800	\$34,672

*Actual results vary based on system conditions and local energy costs.

PC Software

Post-process data and deliver professional reports.





- ✓ **Import via Wi-Fi or USB-C**
Transfer acoustic imaging data seamlessly.
- ✓ **Edit reports in real time**
Review and adjust results directly in the software.
- ✓ **Generate professional report output**
Export leak images, data, annotations, and loss estimates—ready to share and act on.



Reduce Operating Cost

Eliminate wasted energy and lower utility bills.



Data-Driven Decisions

Use real data to justify maintenance and investments.



Professional Reporting

Deliver clear, standardized reports that prove impact.



Track Savings with Confidence

Quantify ROI and build a stronger business case.

Technical Specifications

Acoustic Specifications

Microphone Array	64 MEMS Microphones
Frequency Range	CRY8024: 2 kHz ~ 48 kHz CRY8025: 2 kHz ~ 65 kHz
SPL Range	28 dB ~ 132 dB
Test Distance	CRY8024: 0.3 m ~ 60 m CRY8025: 0.3 m ~ 120 m
Minimum Detectable Leak	CRY8024: 0.059 L/min @ 5 bar from 10 m CRY8025: 0.012 L/min @ 2.7 bar from 10 m

Camera

Camera FOV	66° (H) × 52° (V)
Focal Length	2.26 mm
Camera Pixel	5M pixel
Autofocus	Yes
LED Light	Yes

Display

Resolution	800 × 480
Size	4.3 inches
Touchscreen	Capacitive touchscreen
Brightness	Max 400 nits, support adjustment

Storage

Storage	32 GB internal
Data Format	.jpg (picture), .mp4 (video), .wav (audio), .cdat (data)
Video Length	Maximum 5 minutes
Data Export	USB-C and Wi-Fi

Battery

Battery Capacity	3900 mAh, 3.85 V
Battery Type	Built-in rechargeable lithium-ion battery
Battery Life	3 hours

General Specifications

Size	150 × 83 × 27.5 mm
Weight	270 g
Wi-Fi	802.11a/b/g/n/ac
Bluetooth	BT 5.2
IP Rate	IP54
Power Supply	9 V DC/1 A (Charging via USB-C)
Operating Temperature	CRY8024: -10 °C ~ +50 °C CRY8025: -20 °C ~ +50 °C
Storage Temperature	-20 °C ~ +55 °C
Operating Humidity	10 ~ 95 % non-condensing

Software

Functions	Sound visualization and localization, Gas Leak detection and Leak rate quantification, Partial discharge detection, Photos and videos recording, Automatic or manual frequency filter, PC software post-processing
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Hardware Ports

USB-C	1 x USB3.0 - for charging, HDMI, data export, and headphone output
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Language

Language	Chinese, English, Korean, French, Japanese, Russian, German, Italian, EU Spanish, Portuguese, Hungarian, Dutch, Cambodian, Vietnamese, Turkish, Polish
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