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AI SERIES

For Finding Compressed Gas Leaks And Detecting Partial Discharge

Low-noise MEMS Microphones and Adjustable Bandwidth

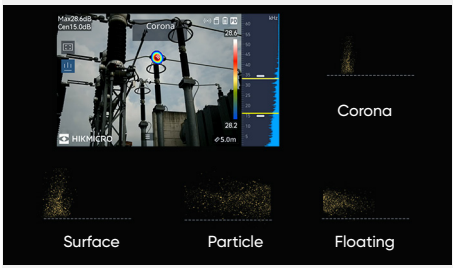
With Low-noise MEMS microphones and an adjustable bandwidth range from 2 kHz to 96 kHz. The HIKMICRO AI series provides an easy and effective way to instantly locate gas leak detection and partial discharge from high-voltage systems.

Real-time Display of Leakage Data

The HIKMICRO AI series offers real-time estimated leak rate, leak cost for gas leak detection. AI series can filter noise to "visualize" sound with a large 4.3" LCD touch screen even in noisy environments.

Smart Partial Discharge Detection

When placed in Partial Discharge mode, the AI series identifies corona, floating, surface, or particle discharge on high voltage systems that can lead to equipment failure. This is instantly displayed onscreen and can be saved for documentation and reporting.



Analyzer Acoustic

Analyzer Acoustic software allows you to analyze and create reports based on field inspection images.

Rugged and Portable

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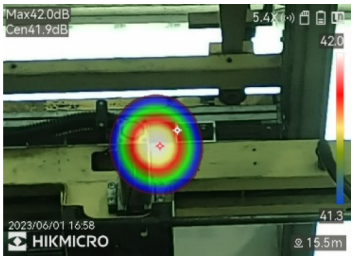
Convenient one-handed operation makes the AI56 easy to manage and find/document issues fast.

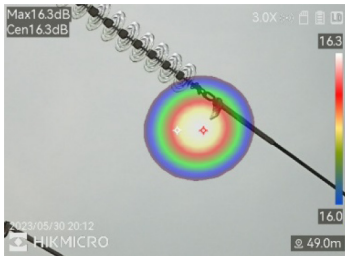
Fully Document your Findings

Capture 5MP visual images with sound or partial discharge overlay. Add text or voice comments to complete your reporting quickly.

APPLICATIONS



Gas Leak Detection



Partial Discharge Detection

WHAT'S IN THE BOX

- Acoustic Imaging Camera (×1)
- Battery (×3)
- Charging Base (×1)
- Calibration Certificate (x1)
- Power Adapter (×1)
- Adapter (×4)
- Hand Strap (×1)
- USB Cable (×1)
- HDMI Cable (×1)
- SD Card (×1)
- MIC Protective Case (× 1)
- Accessories Bag (×1)
- Quick Start Guide (×1)
- Carrying Case (×1)

Model No		AI56-LD	AI76-PD
Acoustic	Number of Microphones	64	136
	Bandwidth	0 kHz to 96 kHz, adjustable range MEMS sampling frequency: 192 kHz	
	Distance	0.3m~150m (0.98 ft-492 ft)	
	Sound Intensity Display	Peak Point	
	Acoustic Image Frame Rate	25 fps	
	Leak Rate	>0.008 l/min @ 6 bar from 0.5m (1.64 ft) >0.013 l/min @ 5 bar from 1 m (3.28 ft)	>0.0047 l/min @ 6 bar from 0.5 m (1.64 ft) >0.0073 l/min @ 5 bar from 1 m (3.28 ft)
	Dynamic Range	Low Limit: <-15dB High Limit: >120dB	
	Discharge Detection	Automatic detection 50 / 60 Hz	
	Discharge Type	Corona Discharge, Particle Discharge, Floating Discharge, Surface Discharge	
Image Display	Camera FOV	50.2°× 35.4°	
	Display	800 × 480 Resolution, 4.3" LCD Touch Screen	
	Digital Zoom	1.0x to 8.0x continuous	
General	Annotations	Voice note: max. 60 seconds;Text note: max. 255 characters	
	Battery Operating Time	3 batteries, 3.5hrs/battery runtime	3 batteries, 2hrs/battery runtime
	Protection level	IP54	
	Working Temperature Range	-20 °C to 50 °C (-4 °F to 122 °F)	
	Weight	Approx. 940 g (2.07 lb)	Approx. 1200 g (2.64 lb)

HIKMICRO Thermography
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FULL PRODUCT 3 YEARS

BATTERY 2 YEARS