

AI SERIES

For Finding Compressed Gas Leaks And Detecting Partial Discharge



Low-noise MEMS Microphones and Adjustable Bandwidth

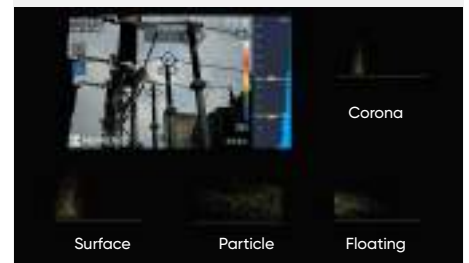
With Low-noise MEMS microphones and an adjustable bandwidth range from 2 kHz to 96 kHz. The HIKMICRO AI series provides an easy and effective way to instantly locate gas leak detection and partial discharge from high-voltage systems.

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

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 (x1)
- Battery (x3)
- Charging Base (x1)
- Calibration Certificate (x1)
- Power Adapter (x1)
- Adapter (x4)
- Hand Strap (x1)
- USB Cable (x1)
- HDMI Cable (x1)
- SD Card (x1)
- MIC Protective Case (x1)
- Accessories Bag (x1)
- Quick Start Guide (x1)
- Carrying Case (x1)

| Model No | | AI56 | AI76 | |
|---------------|---------------------------|---|--|--|
| 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

hikmicro_thermography

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