# GAS LEAK VIEWER

# MK-770A/MK-750STA

ISO9001
JQA0950

## Realtime Imaging of Gas leaks from a Safe Distance

### Acoustic camera is the Ultimate Choice for Energy Savings & Safety


## MK-770A

**Advanced Model**

- Partial Discharge & Gas Leak Detector
- Value Assessment:
  Estimates air/gas leak amounts and quantifies loss costs.


## MK-750STA

**Standard Model**

- Gas Leak Detector


## MK-750STA-R

**Minimal Configuration**

- Gas Leak Detector

**Background Noise Identification Optimization:** Upgraded
An algorithm analyzes data and eliminates noise for fewer false detections.

**Enhanced Leakage Calculation:** Upgraded
The Estimated Leak Volume Display function has been improved.

**No Interference from Operating Noise:**
Perceptible surrounding noises do not interfere with the sensing of ultrasonic waves used to measure air/gas leaks or partial discharge.

**Record:**
Recorded photo images help you create reports.

**Small and Lightweight:**
Handy type

JFE

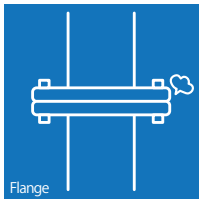
JFE Advantech Co., Ltd.

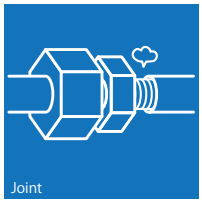
## Application

### Works with any type of gas, such as argon, hydrogen, nitrogen, or steam.

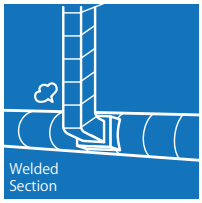
※ Depending on the measurement environment and the nature of the leak, detection or use may not be possible.

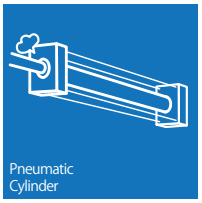
- Detection of Air/Gas Leaks from:
  - Piping pinholes caused by pipe corrosion
  - Regulator joints
  - Air tubes of welding machines, etc.
  - Flange loosening or gasket deterioration
  - Defective welded section
- Detection of suction in vacuum piping







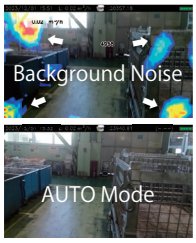





### Compact and Lightweight Design

Our unique technology enables superior detection performance with a minimal number of sensors, strategically placed for maximum efficiency.

### Background Noise Identification Optimization




### Detects a center frequency of 40kHz

Detects ultrasonic waves with a center frequency of 40kHz, a frequency range that is most sensitive for air leak detection.

*In ultrasonic leak testing under international standards such as ISO and ASTM (US), a frequency of 40kHz is commonly used.

### Features of MK-770A

**Energy Loss Calculation**

MK-770A calculates and displays the annual financial loss caused by air leakage using the input values: unit price, operating hours of the equipment, and distance to the target.

| Model | | MK-770A-CE / MK-770A-CCC | MK-750STA-CE / MK-750STA-CCC | MK-750STA-R-E / MK-750STA-R-CCC |
|---|---|---|---|---|
| Noise Identification Optimization (AUTO Mode) | | ✓ | ✓ | ✓ |
| Loss Cost Estimation, Flow Adjustment | | ✓ | — | — |
| Estimated Gas Leak Amount | | ✓ | ✓ | ✓ |
| Photo Image | | ✓ | ✓ | ✓ |
| Video Format | | ✓ | — | — |
| Detecting Partial Discharge | | ✓ *FFT (Frequency Analysis) | ✓ | ✓ |
| Frame Rate | | About 8 times/sec (High), About 5 times/sec (Eco) | About 5 times/sec | About 5 times/sec |
| Distance | | 30m (Company Actual Performance) | | |
| Ultrasonic Sensor | | Center Frequency 40 kHz | | |
| Detect Area | | Horizontally Approx. 62° / Vertically Approx. 35° | | |
| Display | | 4.3 inch LCD / 800×480 pixels | | |
| Other Functions | | Peak Hold, Sleep Mode, Auto Power Off | | |
| Record Contents | | [Common Specification] Image with Sound Pressure Map Overlay (JPEG), Camera Image (JPEG), Sound Pressure Map Data (CSV), Measurement Information List (CSV)<br>[MK-770A] Video with Sound Pressure Map Overlay (MP4) | | |
| Storage Capacity | | [Common Specification] Over 3,500 Still Images (Internal Memory: 1GB)<br>[MK-770A] Maximum 5 minutes per video, up to 30 minutes total<br>※ The above numbers apply to cases where only still images or videos are recorded. | | |
| File Transfer | | USB communication (PC with Windows® OS) | | |
| Power | | Lithium-ion Battery: RRC2057<br>Continuous Operating Time: Approx. 6 Hours, Charging Time: Approx. 3 Hours | Lithium-ion Battery: RRC2057<br>Continuous Operating Time: Approx. 8 Hours, Charging Time: Approx. 3 Hours | Lithium-ion Battery: RRC2037<br>Continuous Operating Time/Charging Time: approx. 3 hours |
| Size | | W182mm×H114mm×D64mm | | |
| Weight | | Approx. 740 g (including Lithium-ion Battery RRC2057) | | Approx. 640 g (including Lithium-ion Battery RRC2037) |
| Ingress Protection | | IP42 | | |
| Enclosed Items | Common | Main unit, Charger (RRC-SMB-MBC), Instruction Manual | | |
| | Individual | Lithium-ion Battery: RRC2057, Wrist Strap: MK-9907, Protector: (Blue) MK-9910, USB Cable, User Manual | Lithium-ion Battery: RRC2057, Wrist Strap: MK-9907, Protector(Black): MK-9909, USB Cable, User Manual | Lithium-ion Battery: RRC2037 |
| Optional Accessories | Common | Lithium-ion Battery: RRC2057, Lithium-ion Battery: RRC2037, Neck Strap: MK-9908, Carrying Case: MK-9705, Waist Bag: MK-9706, Reference Oscillator: MP-161-5001 | | |
| | Individual | Protector (Black): MK-9909 | Protector (Blue): MK-9910 | Wrist Strap: MK-9907, Protector (Black): MK-9909, Protector (Blue): MK-9910, USB Cable |

※ For details on the MK-770A's partial discharge detection functions and specifications, please refer to the specification sheet or contact us.
※ For CE compliance, please contact us.
※Windows® is a trademark or registered trademark of Microsoft Corporation in the United States of America or other countries.
※Specifications may be changed with or without notice.

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