

# Industrial Flexible Fiberscope

Monarch Instrument Fiberscopes provide superior image quality and flexibility to allow for quick inspection of enclosed areas. Save time and money preventing unnecessary disassembly of complex machines. Available in two models: FSI with internal LED light and FSX with external light, each with a variety of lengths and diameters. Features include an integrated focus ring for continuous adjustment, high impact ABS construction for water and chemical resistance, high density plastic fiber-optic bundle for superior image quality.



Monarch FSI Flexible Fiberscope

## Compare Image Quality

Monarch Instrument Fiberscopes provide superior image quality with our high density fiber-optic bundles and optimized light. Compare the actual images for yourself. The FSX models support an external Xenon flashlight like the Scorpion 8500.



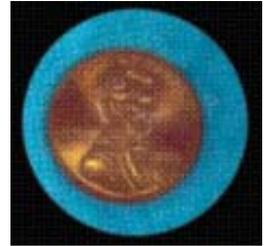
FSX with optional Xenon Flashlight



Streamlight Scorpion Flashlight



Monarch FSX Fiberscope with 7400 pixels



Competing Fiberscope

## Common Applications:

- ❖ Automotive/Marine
- ❖ Construction
- ❖ HVAC
- ❖ Manufacturing/Assembly
- ❖ Quality Control
- ❖ Repair/Maintenance



## Common Specifications:

Number of pixels: 7400  
 Field of view: 40°  
 Min. focus distance: 0.75 inch  
 Operating Temp: -10 to 120°F  
 Housing: ABS  
 Bending radius: 3 inch  
 Water and Chemical Resistant



FSI with internal light



FSX with optional Xenon Flashlight

## Ordering Information:

### Monarch Flexible Fiberscopes with internal light

**FSI-24-6-H** Self-illuminating, 24" length, 6 mm diameter, Halogen lamp.  
**FSI-36-6-H** Same as above in 36" length.  
**FSI-36-6-L** Same as above with LED lamp.  
**FSI-24-10-L** Self-illuminating, 24" length, 10 mm diameter, LED lamp.  
**FSI-36-10-L** Same as above in 36" length.  
**FSI-48-10-L** Same as above in 48" length.

### Monarch Flexible Fiberscopes requires external light (optional)

**FSX-24-6** External illumination, 24" length and 6 mm diameter.  
**FSX-36-6** Same as above in 36" length.  
**FSX-48-6** Same as above in 48" length.  
**FSX-60-6** Same as above in 60" length.  
**Xenon Flashlight** Streamlight Scorpion 8500.



Each Kit includes:  
 Fiberscope, Batteries for FSI Models, Latching Carrying Case and User Manual.

## Distributed by:



### MONARCH INSTRUMENT

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# Ultrasonic Leak Detector

The **UltraPro AG500** is a powerful ultrasonic leak detector and electronic stethoscope for use in industry, maintenance and manufacturing wherever precision leak detection or diagnostics are required.

Ultrasound is composed of high-frequency sound waves above the range of human hearing. **UltraPro** uses this technology to sense frequencies ranging from 18 to 42 kilohertz, which are electronically translated down into the audible range. Predictive Maintenance uses airborne/structure-borne ultrasound technology to locate leaks in any gaseous systems and to troubleshoot rolling-element bearings or valve operations. **UltraPro** features a unique Automatic Gain Control which automatically filters the signal to provide the best signal-to-noise ratio, suppressing background noise and pinpointing leaks. The AG circuit simplifies operation, removing complicated adjustment knobs and filter switches. **UltraPro** offers superior electronics with rugged industrial packaging in a simple-to-use ultrasonic meter.

## Features:

- Automatic Gain Control
- Simple Operation
- 10 Element LED Bargraph Display
- Industrial Rubber Holster
- Air and Contact Probes
- Audio Out with volume Control



UltraPro AG500 System includes: Detector, Headset, Air and Contact Probes, Tone Generator, Batteries and Latching Carrying Case.

## Ordering Information

### UltraPro AG500 System

Detector, Air and Contact Probes, Headset, Tone Generator, 9v Batteries and Latching Carrying Case.

### UltraPro AG500 (without Sound Generator)

Detector, Air and Contact Probes, Headset, 9v Battery and Latching Carrying Case.

### Tone Generator

Generator and Battery

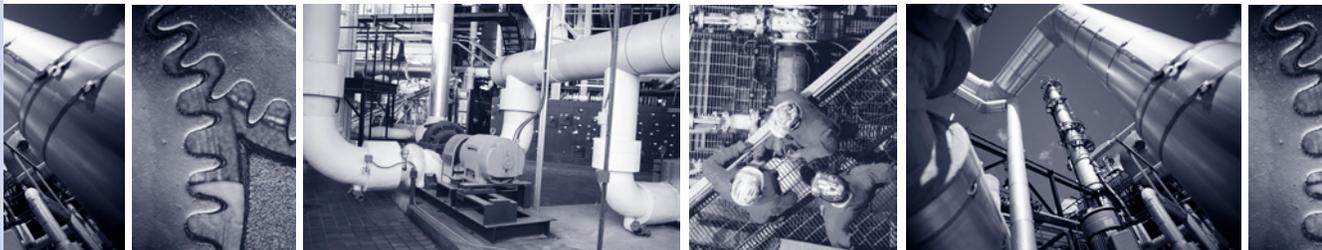


UltraPro AG500 Ultrasonic Leak Detector

## Common Applications:

- Steam Traps
- Vacuum/Air Leaks
- Bearings/Valves
- Pressure Leaks
- Water Leaks

Monarch Ultrasonic Tone Generator is a battery-powered continuous tone source of 40 kHz. It is capable of 155 dB at 30 cm and can transmit up to 40 feet. Ideal for enclosed vessels/tanks.



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