

Provide Clear, Bright Viewing in Extremely Compact Spaces

Lenox Instrument Company's Micro Borescope delivers a clear, bright image ideal for close-range inspection of electronic & computer assemblies, medical & biomedical devices, cast & machined parts, turbine blade cooling holes and other small passage openings, as well as in security and covert applications – particularly where access is limited and the insertion point is only a few millimeters in diameter.

Micro Borescopes from Lenox feature a focusing eyepiece and utilize the latest fiberoptic bundle technology that provides superb resolution. The scopes' rugged design and durable construction give them superior ability to tolerate tip deflections and moderate bending. Micro Borescope insertion probes are waterproof, resistant to oil and can withstand temperatures up to 60°C (140°F).

The Lenox Micro Borescope comes in both flexible and semi-rigid models. The flexible scope is ideal for inspecting difficult to reach areas that require the ability to maneuver around corners or obstructions. The semi-rigid scope is ideal for straight-line inspections of small diameter openings. Micro Borescopes are available in diameters as small as 0.5 mm (.020 inch), and in standard lengths from 10 cm (4 inches) to 15.2 m (50 feet). Other diameters, lengths and custom configurations are available, as well.

All models in the Micro Borescope line are fully digital- and video-adaptable, allowing for the viewing and recording of real-time or still images for reference. Micro Borescopes are compatible with other Lenox accessories such as complete color video systems and light sources (standard, explosion-proof and portable versions) for self-contained illumination of the inspection area. Additionally, Micro Borescopes are backed by Lenox's industry-leading two-year warranty.



Micro Borescope with optional light source



Actual image through a Lenox Micro Borescope

Micro Borescopes

Diameter	Working Length	Stock Number	Description
0.5 mm (.020 inch)	250 mm (10 inches)	7F005ZF-250	Flexible borescope, direct view, 70° field of view
0.5 mm (.020 inch)	500 mm (20 inches)	7F005ZF-500	Flexible borescope, direct view, 70° field of view
0.5 mm (.020 inch)	1000 mm (40 inches)	7F005ZF-1000	Flexible borescope, direct view, 70° field of view
0.5 mm (.020 inch)	2000 mm (78 inches)	7F005ZF-2000	Flexible borescope, direct view, 70° field of view
1 mm (.040 inch)	250 mm (10 inches)	7F010ZF-250	Flexible borescope, direct view, 70° field of view
1 mm (.040 inch)	500 mm (20 inches)	7F010ZF-500	Flexible borescope, direct view, 70° field of view
1 mm (.040 inch)	1000 mm (40 inches)	7F010ZF-1000	Flexible borescope, direct view, 70° field of view
1 mm (.040 inch)	2000 mm (78 inches)	7F010ZF-2000	Flexible borescope, direct view, 70° field of view
1.5 mm (.060 inch)	250 mm (10 inches)	7F015ZF-250	Flexible borescope, direct view, 60° field of view
1.5 mm (.060 inch)	500 mm (20 inches)	7F015ZF-500	Flexible borescope, direct view, 60° field of view
1.5 mm (.060 inch)	1000 mm (40 inches)	7F015ZF-1000	Flexible borescope, direct view, 60° field of view
1.5 mm (.060 inch)	2000 mm (78 inches)	7F015ZF-2000	Flexible borescope, direct view, 60° field of view
2.0 mm (.080 inch)	250 mm (10 inches)	7F020ZF-250	Flexible borescope, direct view, 70° field of view
2.0 mm (.080 inch)	500 mm (20 inches)	7F020ZF-500	Flexible borescope, direct view, 70° field of view
2.0 mm (.080 inch)	1000 mm (40 inches)	7F020ZF-1000	Flexible borescope, direct view, 70° field of view
2.0 mm (.080 inch)	2000 mm (78 inches)	7F020ZF-2000	Flexible borescope, direct view, 70° field of view
0.9 mm (.035 inch)	100 mm (4 inches)	7F009ZR-100	Semi-Rigid borescope, direct view, 50° field of view
0.9 mm (.035 inch)	180 mm (7 inches)	7F009ZR-180	Semi-Rigid borescope, direct view, 50° field of view
1.5 mm (.060 inch)	100 mm (4 inches)	7F015ZR-100	Semi-Rigid borescope, direct view, 60° field of view
1.5 mm (.060 inch)	180 mm (7 inches)	7F015ZR-180	Semi-Rigid borescope, direct view, 60° field of view
1.5 mm (.060 inch)	300 mm (12 inches)	7F015ZR-300	Semi-Rigid borescope, direct view, 60° field of view
1.5 mm (.060 inch)	450 mm (18 inches)	7F015ZR-450	Semi-Rigid borescope, direct view, 60° field of view
2.0 mm (.080 inch)	100 mm (4 inches)	7F020ZR-100	Semi-Rigid borescope, direct view, 60° field of view
2.0 mm (.080 inch)	180 mm (7 inches)	7F020ZR-180	Semi-Rigid borescope, direct view, 60° field of view
2.0 mm (.080 inch)	300 mm (12 inches)	7F020ZR-300	Semi-Rigid borescope, direct view, 60° field of view
2.0 mm (.080 inch)	450 mm (18 inches)	7F020ZR-450	Semi-Rigid borescope, direct view, 60° field of view

Micro Borescopes require a Light Source for proper use. All models include a light cable and carrying case.

Note – Rotating 90° Mirror Tubes are available for all Direct View Semi-Rigid Borescopes. Additional designs, diameters and lengths available – consult factory.

Micro Borescope Accessories



Stock Number	Description
3000LS-150	Light Source (150w output, 50-60hz)
3000LS-1000	Light Source (300w output, 50-60hz)
3000LS-6VDC	Portable DC Light Source (150w output)
10515K-0000	Color Video Package (Camera, Monitor and Camera Adapter)
515-0186	Mini Digital Recorder w/ 4" LCD