

Oblique Illumination

Hand-held Fiber Termination Inspection Microscopes



All Westover Field Microscopes are hand-held inspection tools that will provide years of service, true optical performance, and laser safety. Their design incorporates an LED for illumination that provides 100,000 hrs. of lamp life and optimizes battery life.

The L-Series Fiber Microscope utilizes oblique illumination to make examining the fiber core quick and easy. The light from the white LED hits the end-face at an angle, making the core clearly visible and allowing the user to readily see any surface debris or contamination. The oblique lighting also limits the amount of scratches seen on the ferrule, allowing technicians to polish to a higher loss level without wasting time over-polishing. The L-Series Fiber Microscope is ideal for quick inspections where core condition is of critical

importance.

In oblique illumination, the white LED light is bended to hit the core at an angle, making any contamination and debris readily visible. Furthermore, faint scratches are not as easily seen using this method. A technician can therefore polish to a higher loss level without being tempted to over-polish the end-face.

Easily changeable adapters are available for any type of connector. The rubber boot provides a slip-resistant grip, while a built-in laser safety filter provides a high level of attenuation at the most common laser wavelengths in case of accidental viewing.

Optical Specifications Table

Model	Optical Magnification	Field of View	Weight	Warranty
FM-L100	100x	1050 microns	0.5kg	1 year
FM-L160	160x	1050 microns	0.5kg	1 year
FM-L200	200x	950 microns	0.5kg	1 year

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Order Information

Part	Description
FM-L100	L-Series Fiber Microscope 100x Oblique Illum., 2.5mm Adapter
FM-L160	L-Series Fiber Microscope 160x Oblique Illum., 2.5mm Adapter
FM-L200	L-Series Fiber Microscope 200x Oblique Illum., 2.5mm Adapter
FM-LX100	L-Series Fiber Microscope 100x Oblique Illum., No Adapter
FM-LX160	L-Series Fiber Microscope 160x Oblique Illum., No Adapter
FM-LX200	L-Series Fiber Microscope 200x Oblique Illum., No Adapter

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