

Product Data Sheet

Page 1 of 2

Hand-Held Fiber Optic Termination Inspection Microscopes



Features & Benefits

- Oblique illumination provides excellent view of ferrule cleanliness and core condition.
- Coaxial illumination provides the highest level of image detail.
- Rugged all metal design with crisp all-glass optics
- L Series: Available in 100x, 160x, and 200x magnification
- C Series: Available in 100x, 160x, 200x, 320x, or 400x magnifications.
- Internal white LED for illumination delivers 100,000 hours of bulb life and greatly extended battery life (30+ hours from one set)
- Integrated laser safety filters
- Complete selection of adapters for almost any connector.

L Series: Oblique Lighting and C Series: Coaxial Lighting

Ever-increasing bandwidths make quality terminations a necessity. Microscopic inspection provides a fast, affordable method for evaluating terminations to ensure low attenuation levels. Westover's new "L" series and "C" series microscopes are specifically designed for field use or laboratory inspection of fiber optic connectors.

Each system offers different advantages. For viewing detail, as is required for critical examination of polish quality, coaxial illumination is a much better choice. As a tool for fast field inspection, oblique lighting may be preferable. It provides the necessary amount of visual information at a lower cost.

L Series - Oblique Lighting

This lighting method provides a clear view of core condition and cleanliness. This product is very popular with field technicians who are polishing connectors for a moderate bandwidth system, and are not critically concerned with small scratches. These microscopes may be better suited for less experienced technicians who are not highly trained fiber installers.

C Series - Coaxial Lighting

Coaxial illumination is most often found in professional grade microscopes. It is preferred by more critical users. Light is introduced into the optical path (axis) so that it comes out of the tip of the objective and strikes the sample perpendicular to the fiber end-face. This system produces excellent detail of scratches and contamination, but requires bright backlight to examine core condition.





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QUALITY FIBER COMPONENTS, EQUIPMENT, & SUPPLIES

Product Data Sheet

Page 2 of 2

Ordering Information

“L” Series with oblique illumination using LED lamp

FM-L100	100x, universal “slip girp” adapter included	FM-LX100	100x, NO adapter
FM-L160	160x, universal “slip girp” adapter included	FM-LX160	160x, NO adapter
FM-L200	200x, universal “slip girp” adapter included	FM-LX200	200x, NO adapter

“C” Series with coaxial illumination using LED lamp

FM-C100	100x, universal “slip girp” adapter included	FM-CX100	100x, NO adapter
FM-C160	160x, universal “slip girp” adapter included	FM-CX160	160x, NO adapter
FM-C200	200x, universal “slip girp” adapter included	FM-CX200	200x, NO adapter
FM-C320	320x, universal “slip girp” adapter included	FM-CX320	320x, NO adapter
FM-C400	400x, universal “slip girp” adapter included	FM-CX400	400x, NO adapter
		FM-CX99	Deluxe Package: Includes interchangeable eyepiece to configure for either 200x or 400x, NO adapter

Accessories

FMA- U25	Universal adapter for 2.5mm ferrules with “slip girp”
FMA-UAPC	Universal adapter for APC type (8°) 2.5mm ferrules with “slip girp”
FMA-UAPC	Universal adapter for APC type (8°) 2.5mm ferrules with “slip girp”
FMA-U12	Universal adapter for 1.25mm ferrules with “slip girp” (for LC, MU, etc.)
FMA-ST	ST Adapter
FMA-SC	SC Adapter
FMA-FCPC	FC/PC Adapter
FMA-SMA	SMA Adapter
FMA-E2	E2 Adapter
FMA-BIC	Biconic Adapter
FMA-D4	D4 Adapter
FMA-BF1	Bare Fiber Adapter
FMA-LC	LC adapter
FMA-LMTRJ-1	Simple for MTRJ connector, user removes and rotates connector to change view from one fiber to the next
FMA-LMTRJ-2	Rotating adapter for MTRJ, connector is inserted one time and rotates in adpter to view each fiber (with a click stop)
FMA-MMT-2	Rotating adapter for Mini-MT ferrule (for assembly shops building the MTRJ connector)
FMP-TP1	Desktop Tripod for FM series
FMP-TP2	Clamp type Tripod for FM series
FMP-EP10	Eyepiece, 10x
FMP-EP16	Eyepiece, 16x
FMP-EP20	Eyepiece, 20x
FMP-OR020	Objective, 20x
FMP-OR010	Objective, 10x
FMP-HCASE	Canvas, Soft-sided Case