Hand-Held Fiber Optic Termination Inspection Microscopes

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.

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 with oblique illumination using LED lamp

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

“C” Series with coaxial illumination using LED lamp

FM-C100  100x, universal "slip girp" adapter included
FM-C160  160x, universal "slip girp" adapter included
FM-C200  200x, universal "slip girp" adapter included
FM-C320  320x, universal "slip girp" adapter included
FM-C400  400x, universal "slip girp" adapter included
FM-CX100 100x, NO adapter
FM-CX160 160x, NO adapter
FM-CX200 200x, NO adapter
FM-CX320 320x, NO adapter
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-FCCF 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 connection to change view from one fiber to the next
FMA-LMTRJ-2 Rotating adapter for MTRJ, connector is inserted one time and rotates in adapter 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