

# Dual Illumination

## Hand-held Dual Illumination Optical 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 DI series is a dual-illumination microscope that includes both coaxial and oblique illumination. The coaxial setting is used for the highest level of image detail; oblique illumination shows only major defects and contaminants, which prevents over-polishing.

Coaxial illumination, which provides the most critical view of fiber end-faces, renders scratches highly visible and is the

clear choice for field termination in sensitive installations.

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 no 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-DI100	100x	1050 microns	0.21kg	1 year
FM-DI200	200x	900 microns	0.21kg	1 year

### Order Information

Part	Description
FM-DI100	DI-Series Fiber Microscope 100x, Dual Illum., 2.5mm Adapter
FM-DI200	DI-Series Fiber Microscope 200x, Dual Illum., 2.5mm Adapter

#### Westover Scientific Inc.

18421 Bothell-Everett Hwy  
Suite 110  
Mill Creek, WA 98012-6825

p: 800.304.3202

425.398.1298

f: 425.398.0717

www.westoverscientific.com