

FM-C Field Microscope

Coaxial Illumination Handheld Optical Microscope for Fiber Inspection



Key Features

- Rugged, ergonomic design for field use
- LED illumination for 100,000+ hour life
- Coaxial illumination for the highest level of detail; most critical view of fiber end face cleanliness and condition
- Integrated laser safety filter

FM-C Field Microscope

The FM-C-series microscopes use **coaxial illumination** to provide users with maximum detail. It easily can detect the finest scratches and contamination, making it ideal for critically inspecting polish quality. It is available in 100, 160, 200, 320, or 400X magnification models that use energy-efficient light emitting diode (LED) illumination to provide 100,000+ hours of lamp life. The rubber boot provides a slip-resistant grip; while the built-in laser safety filter provides a high level of attenuation at the most common wavelengths for accidental viewing of live fiber. Its durability, ergonomic design, optical performance, and ease-of-use make it the optical instrument of choice for viewing fiber terminations in sensitive installations.

The JDSU FM-C microscopes use FMA-series adapters that let users inspect various connector types.

Applications

- Inspect patch cord (male) side of fiber interconnect
- Inspect various connector types with a wide selection of interchangeable adapters

Coaxial Illumination

Coaxial illumination provides the most critical view of fiber end face conditions while maximizing details. In this method, light travels along the same axis as the sample inserted, producing a highly detailed image of fine scratches and contamination.



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Visit us at www.TestEquipmentDepot.com

FMA Adapters

FMA-U12

 Inspects Universal
1.25 mm patch cords

FMA-U25

 Inspects Universal
2.5 mm patch cords

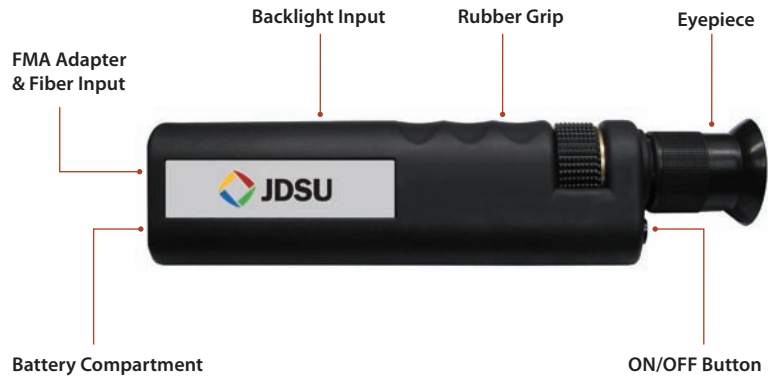
FMA-MTP

 Inspects MTP®
(multi-fiber) patch cords

For a complete list of FMA adapters, go to
www.westoverfiber.com.

Laser Safety

JDSU fiber microscopes include a laser safety feature to help prevent damage to the eye if a user accidentally views live fiber. Under no circumstances should a user purposely view live fiber with any optical microscope, as it poses significant risk of damage to the eye.



FM-C Specifications

Dimensions	24.0 x 5.5 x 3.7 cm (9.4 x 2.2 x 1.5 in)
Weight	0.45 kg (1.0 lbs)
100X Magnification field-of-view (FOV)	1050 μm
160X Magnification FOV	1050 μm
200X Magnification FOV	950 μm
320X Magnification FOV	540 μm
400X Magnification FOV	475 μm
Infrared (IR) attenuation filter	Built-in
Power source	Three AAA alkaline batteries
LED life	100,000 hours
Warranty	1 yr

Ordering Information

FM-C100	100X coaxial illumination field microscope; 2.5 mm FMA adapter
FM-C160	160X coaxial illumination field microscope; 2.5 mm FMA adapter
FM-C200	200X coaxial illumination field microscope; 2.5 mm FMA adapter
FM-C320	320X coaxial illumination field microscope; 2.5 mm FMA adapter
FM-C400	400X coaxial illumination field microscope; 2.5 mm FMA adapter
FM-C99	200X and 400X coaxial illumination fiber microscope; 2.5 mm FMA adapter
FM-CX100	100X coaxial illumination field microscope
FM-CX160	160X coaxial illumination field microscope
FM-CX200	200X coaxial illumination field microscope
FM-CX320	320X coaxial illumination field microscope
FM-CX400	400X coaxial illumination field microscope
FM-CX99	200X and 400X coaxial illumination fiber microscope