Handheld Field Inspection Microscope

A LANscape®
Solutions Product

features and benefits |

Small size and rugged construction	Ideal for field use
Built-in laser safety filter	Safety in case of accidental viewing of active fiber
LED lamp	Extended life span
Coaxial and oblique illumination	Ease of inspection for scratches and debris

200FM Microscope | Photo NS141

400FM Microscope | Photo NS142

The Corning Cable Systems handheld microscopes make connector end-face inspection easy and convenient with immediate visual feedback to increase connector-polishing productivity during installation. Also ideal for troubleshooting contamination issues, the small size and rugged construction make these microscopes excellent for field use. Each comes with a soft carrying case and a universal 2.5 mm adapter for viewing most common connectors. A 1.25 mm universal adapter can be purchased separately and an array of connector-specific adapters is available for securely attaching the connector under inspection to the microscope. The microscopes have a built-in laser safety filter that provides a high level of attenuation at the most common laser wavelengths in case of accidental viewing of an active fiber.

Both the 200FM and 400FM microscopes incorporate an LED designed to provide 100,000 hours of lamp life while using minimal battery power. Illumination of the connector end-face is achieved through two different lighting techniques - oblique and coaxial. Coaxial illumination provides the most critical view of fiber end-faces by rendering scratches highly visible. Oblique illumination allows for viewing of contamination and debris but makes faint scratches not as visible. Typically, the coaxial lighting is used for debris inspection, while the oblique lighting is used during connector installation to avoid over-polishing the connector end-face. NOTE: This test equipment is classified as a Category 9 item under RoHS (Directive 2002-95-EC) and is exempt from the restriction.

Sold by:

TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 389-0000

CORNING | LANscape® Solutions

| PRETERMINATED SYSTEMS | CABLES | CONNECTORS | CABLE ASSEMBLIES | HARDWARE | TOOL KITS AND ACCESSORIES | TEST EQUIPMENT | SPLICE EQUIPMENT | FAN-OUT KITS | TRAINING |

Handheld Field Inspection Microscope

specifications |

	200FM	400FM
Optical Magnification	200X	400X
Illumination	Coaxial and Oblique	Coaxial
Dimensions (H x W x D)	7.5 x 2.0 x 1.25 in (19.0 x 5.1 x 3.2 cm)	9.0 x 2.5 x 1.5 in (22.9 x 6.4 x 3.8 cm)
Shipping Weight	0.21 kg (0.46 lb)	0.5 kg (1.1 lb)
Battery Type	(3) Button cell alkaline (LR44/SR44)	(3) AAA alkaline
Field of View	900 µm	475 µm
Warranty	1 year	1 year
Operating Temperature	-18º to +50ºC (0º to +122ºF)	
Storage Temperature	-40º to +60ºC (-40º to +140ºF)	
Illumination	LED; Rated Life: 100,000 hours	

ordering information |

Part Number	Description
200FM	200x Microscope with coaxial and oblique illumination; batteries, FMFA-U25 adapter, case and manual
400FM	400x Microscope with coaxial illumination; batteries, FMFA-U25 adapter, case and manual
Accessories	
FMFA-U12	Universal Adapter, for any 1.25 mm ferrule (LC, MU, etc)
FMFA-U25	Universal Adapter, for any 2.5 mm ferrule (SC, ST® Compatible, FC, etc)
FMFA-UAPC	Universal APC Adapter, for any 2.5 mm APC ferrule
FMFA-ST	Connector Specific Adapter, ST® Compatible adapter
FMFA-FC	Connector Specific Adapter, FC adapter
FMFA-SC	Connector Specific Adapter, SC adapter
FMFA-LC	Connector Specific Adapter, LC adapter
FMFA-MTP	Connector Specific Adapter, MTP® Connector adapter with panning knob
FMFA-MTRJ	Connector Specific Adapter, MT-RJ adapter
FMFA-BF1	Bare Fiber Adapter, for viewing a bare fiber cleave
FMFA-RFC1	Bare Ribbon Adapter, for viewing a bare ribbon cleave

Note: These adapters can be used with the 200FM, 400FM LSCOPE-9 (obsolete) and CSCOPE (obsolete) microscopes..

Sold by:
TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 389-0000

CORNING | LANscape® Solutions