

# DIAMOND

## Fiber Optic Equipments

### INSPECTION EQUIPMENT

Proper performance of a fiber optic connection is strongly dependant on the cleanliness of the mated ferrules.

DIAMOND connectors are thoroughly inspected and cleaned prior to shipment and do not require cleaning before being placed into service. After repeated matings, however, or when degraded performance is observed, it may become necessary to clean the individual ferrules and mating sleeve. DIAMOND's cleaning set contains all necessary tools for proper cleaning and inspection procedures to help ensure optimal connector performance.

### CONTENTS OF THE STANDARD CLEANING KIT

- ▶ Inspection microscope with universal adapter Ø2.5mm, Ø1.25mm
- ▶ CLETOP easy clean cassette with replacement reel
- ▶ Spender box with 100pcs Lint-free disposable wipes
- ▶ Ferrule mate cleaner for 2.5mm and 1.25 PC/APC ferrules
- ▶ 2.5mm and 1.25mm brushes for cleaning mating sleeve
- ▶ Alcohol spray dispenser 1.5dl (empty)
- ▶ Service Adapter E-2000® and F-3000®
- ▶ Visual Fault Locator ML3: safety feature which automatically switches OFF the red light avoiding eye injuries. This occurs after an impact such as falling out one's hands, violent shaking or brusquely leaning it on a bench
- ▶ User manual

### OPTIONS

E-2000®, F-3000® and FSMA Connector specific adapters



### CASE SPECIFICATIONS

Dimensions: ca. 390 x 310 x 100 mm

Weight: ca. 2.4 kg

Material: Plastic rugged carrying case

### Cleaning Kit (DiaClean)

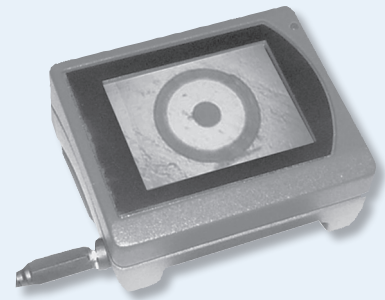


**INSPECTION MICROSCOPE TECHNICAL SPECIFICATIONS**

Application: Multimode and Single Mode  
 Optical Magnification: 200x  
 Power requirement: 3x LR44  
 LED lifetime: 100,000 hrs  
 Weight: 210 gr.  
 Dimensions: L= 190mm; Ø48mm  
 Light controls: Button for coaxial or oblique illumination  
 Safety filter: Built-in filter  
 Adapters: Universal adapter Ø2.5mm, Ø1.25mm



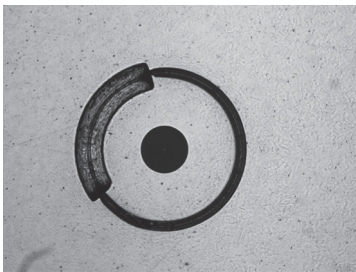
- ATTENTION** This hand microscope shall be used only with Laser turned off.
- WARNING** Laser light may damage your eyes.
- ADVISE** When Laser can not be turned off use Video Inspection Microscope (see picture).



*For more information see specific data sheet.*

**ACCEPTANCE CRITERIA FOR FERRULE END FACES**

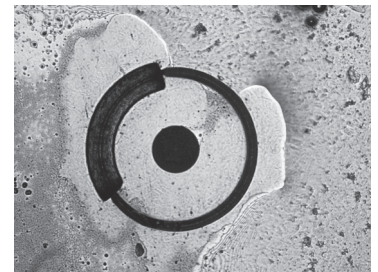
**0° (PC)**



No defect, optical performance guaranteed



Finger fat

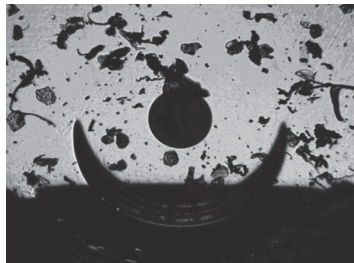


Water

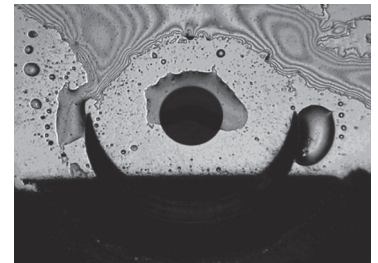
**8° (APC)**



No defect, optical performance guaranteed



Contamination (Solid deposits)



Oil

For more information about Diamond ferrule end face quality, please consult the "Acceptance criteria for Diamond ferrule" available on our website under the section downloads.

**ORDER INFORMATION**

Please refer to the part numbers provided in the separate P/N list.  
 For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the [www.diamond-fo.com](http://www.diamond-fo.com) website.