

The CL-Series Hand Held Fiber Microscope combines innovative design with practical functionality, offering high-resolution viewing for critical fiber optic inspections. The white LED illumination highlights defects on fiber end-faces, enabling effective troubleshooting. Select the appropriate magnification—400X for single-mode fibers or 200X for multi-mode fibers—to achieve optimal inspection results.



CL-Series Hand Held Fiber Microscope 400X HM200 & HM400

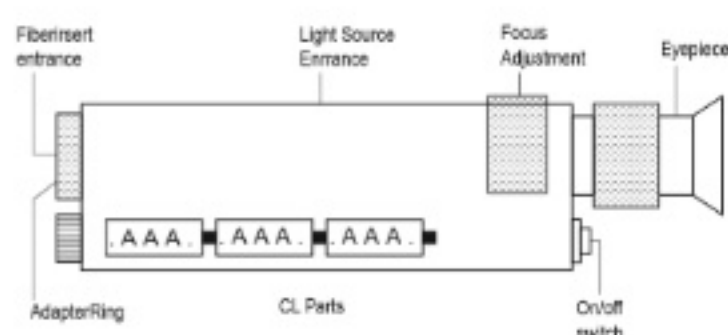
1. Features

- **High-Precision Magnification:** Offers 100X, 160X, 200X, 320X, and 400X options for detailed inspection.
- **Built-In Laser Safety Filter:** Ensures user protection from harmful laser exposure.
- **Durable and Portable:** Compact design, lightweight at 0.6 kg, and easy to handle.
- **LED Illumination:** Provides 10,000-hour lifespan with white LED for clear coaxial lighting.
- **User-Friendly Operation:** Features on/off LED switch and fine-focus adjustment for accurate control.
- **Versatile Compatibility:** Works with universal and dedicated adapters, making it suitable for a wide range of connector types.

2. Application

- **FTTH/FTTx Installations:** Ensures clean connectors for reliable optical performance.
- **Telecom Networks:** Detects dirt and defects to prevent signal loss in backbone systems.
- **Data Centers:** Maintains high-speed transmission quality by verifying connector cleanliness.
- **Production Lines:** Assists in quality assurance during connector assembly and polishing.
- **Training & Education:** Helps students and technicians learn proper fiber inspection techniques.

3. Product Specification



Parameter	Details
Model	HM200 & HM400
Optical Magnification Option	100X, 160X, 200X, 320X, 400X
Power Requirements	3 "AAA" alkaline batteries
LED Rated Life	10,000 hours
Weight	0.6 kg
Dimensions (mm)	225mm (L) × 32mm (D)
Safety Filter	Built-in laser protection
Adapter Interface	Universal or dedicated (interchangeable)
Connector Compatibility	SC, FC, LC, and ST
Illumination Source	White LED illumination

4. Instructions

- (1) Insert the fiber to be inspected into the fiber insert entrance.
- (2) Insert the light source into the opposite entrance to provide illumination.
- (3) View through the eyepiece, switch on the LED, and adjust the fine-focus control until the clearest image is visible.

5. Standard Package

- 1 x 400x or 200x Fiber Scope.
- 1 x 2.5mm Adaptor (Installed).
- 1 x 1.25mm Adaptor (Extra – inside the small pocket of the bag).
- 1 x Soft Carrying Case.
- 1 x English Operation Manual.

