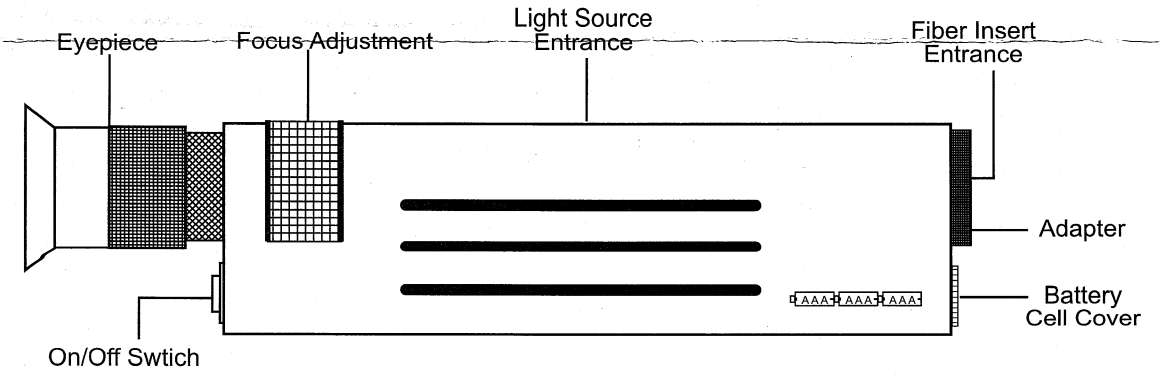
Coaxial Fiber Microscope Data Sheet

The CL- Series Fiber Microscope utilizes a white LED for coaxial illumination. Light is introduced into the optical path (axis) so that it comes out the tip of the objective and strikes the sample perpendicular to the fiber end-face. It produces excellent detail of scratches and contamination. For critical examination of polish quality, we strongly recommend the CL-Series microscope.



Specifications:

Optical Magnification: 200x and 400x
Power Requirements: 3 "AAA" alkaline batteries
LED: Rated life: 100,000 hrs.
Weight: 0.6kg
Size: 225mm/8.76"L x 32mm/1.25" Diameter
Controls: Momentary on/off switch, Fine-Focus control
Safety Filter: Built-in IR filter
Adapter interface: Uses interchangeable, presentered universal or dedicated adapters

Operation Step:

Step 1. Input the Fiber which will be checked into the Fiber Insert Entrance, insert another fiber connector into the light source entrance.
Step 2. See from the Eyepiece and press on the on/off LED switch (Illumination)
Step 3. Adjust the focus control, just to find the clearest viewing;

Guarantee Terms:

All products from our company are warranted to be free of all defects in material and workmanship for a period of 12 months from the date of delivery. The warranty does not apply to any instrument which has become worn, defective, damaged or broken due to abuse, misuse, tampering, or unauthorized repairs. Under this warranty, we will repair or replace, without charge to the purchaser, any part of which upon our examination, appears to be defective in materials or workmanship.

Laser Safety information:

Every our Fiber Scope is equipped with an attenuating, laser safety filter to reduce the risk of accidental viewing of active fiber emissions. Since many of the wavelengths of light used in the fiber optic industry are invisible to the naked eye, the natural aversion reflex to viewing bright light is suppressed resulting in the potential for long periods of accidental exposure which can lead to permanent damager.

The filter we install will provide over 35dBm of attenuation at wavelengths from1310nm to 1550nm. In addition, it will provide over 20.5dBm of attenuation at 850nm. However, it should be stressed that in spite of the protection offered, under no circumstances should an actively emitting fiber be viewed with a visual inspection scope such as the CL-200X.

Warning and Attention

DO NOT use ANY our Fiber Inspection Microscopes to VIEW ACTIVE fiber signals under ANY circumstances. Active fiber signals contain high-powered laser light, it can do much harm to the eyes. So we must avoid contracting with the laser light using direct eyes. The failure to avoid direct eyes contact with laser light can result in serious damage to the eye. Especially, our Fiber Inspection Microscopes may magnify the laser light in active fiber signals; direct eye contact with magnified laser light should be avoided. Laser safety filters, as used in our Fiber Inspection Microscopes, are no substitute for practicing good laser safety. If you are unfamiliar with laser safety practices, please ask the information from the distributors or seek out professional training. There are many capable trainers working in the fiber optic field who can help.