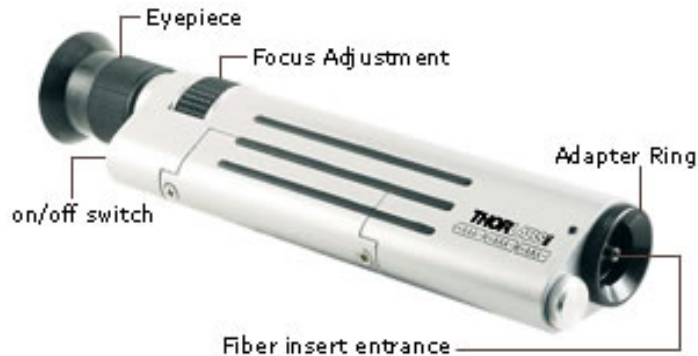

CL-200 Fiber Microscope

The handheld CL-200 fiber-optic microscope produces a high quality, low distortion image of the both the connector end and the fiber. With a high intensity coaxial illumination system and a 200X magnification this fiber-optic microscope is powerful enough to offer a clear image of the fiber core as well as the surrounding cladding. The field-of-view of this microscope is approximately 1.20mm, which in addition to imaging the fiber core and cladding also allows the inspection of the adjacent ferrule to ensure the necessary quality of your terminations.

**CL-200-SMA Fiber Microscope Adapter****Specifications:**

Optical Magnification: 200X

Power Requirements: (3) "AAA" alkaline batteries

LED: Rated life: 100,000 hours

Weight: 1.3 lbs (6kg)

Size: Ø1.25" (32mm) x 8.76"L (225mm)

Controls: Momentary on/off switch, Fine-Focus control

Safety Filter: Built-in IR Filter

Adapter Interface: Uses interchangeable adapters. FC, ST and SMA compatible; CL-200-SMA adapter sold separately.

Operation Setup:

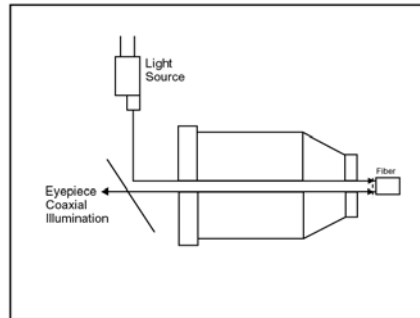
Step 1. Input the terminated fiber into the fiber insert entrance. Be certain to first match the termination style with appropriate adapter.

Step 2. Look into the eyepiece and press the on/off LED switch.

Step 3. Adjust the focus control, to find the clearest image.

Laser Safety:**WHEN VIEWING, DO NOT USE ILLUMINATED FIBER!**

The CL200 Fiber Inspection Microscope is equipped with an attenuating laser safety filter to reduce the risk of accidentally viewing active fiber emissions. The safety filter offers 35dBm of attenuation in the 1310nm and 1550nm wavelength ranges, 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-200.



The figure above is a schematic drawing of the inner structure of the CL-200.

DO NOT use this or any Fiber Inspection Microscopes to view fibers that contain light from any source under **ANY** circumstances. Failure to avoid direct eye contact with laser light can result in serious damage to the eye. 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 potentially longer periods of accidental exposure, which can lead to permanent eye damage. The CL-200 may focus the laser light in active fiber signals; direct eye contact with focused laser light should be avoided. Laser safety filters, as used in the Fiber Inspection Microscope, are no substitute for practicing good laser safety.

Guarantee Terms:

This product is 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 that has become worn, defective, damaged, or broken due to abuse, misuse, tampering, or unauthorized repairs. Under this warranty, Thorlabs, Inc. will repair or replace, without charge to the purchaser, any part of which upon examination, appears to be defective in materials or workmanship. Request return authorization by calling 973-579-7227, or email RMA@thorlabs.com.