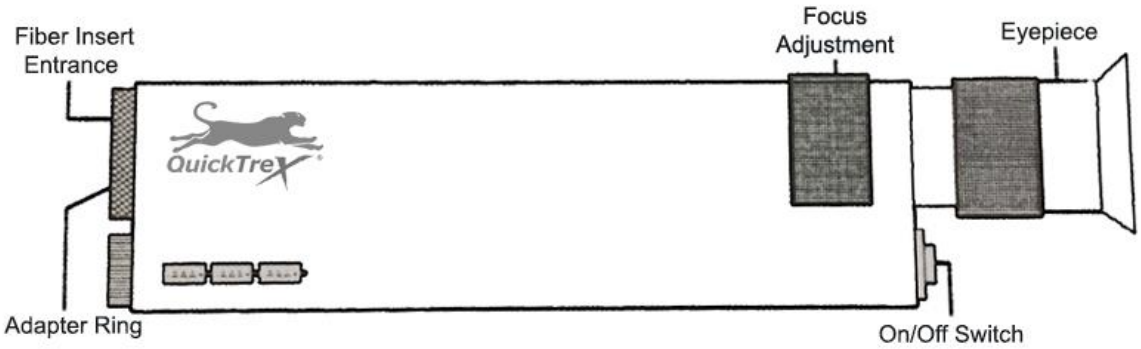
Fiber Optic Inspection Field Microscope

Part # QT-FOM-400

This QuickTreX 400X Handheld Fiber Optic Connector Field Inspection Microscope utilizes a white LED light for illumination. Light is introduced is introduced onto the fiber optic endface and illuminates the glass and ferrule. It produces excellent detail of scratches and contamination and allows for critical examination of polish quality.

IMPORTANT:

DO NOT use this microscope to view active fiber signals under any circumstance. Active fiber signals contain high-powered laser light and can cause permanence damage your eyes.



Specifications:

Optical Magnification: 400X
Power Requirements: 3 X AAA Alkaline Batteries
LED: Rated Life: 10,000 Hours
Weight: 690 Grams
Size: 9”L X 1.5”W X 2.25”H
Controls: Momentary On/Off switch & Fine-Focus Control
Laser Safety Filter: Built-In
Adapter Interface: 1.5mm and 2.5mm Connector Adapters

Instructions:

Step 1: Input the fiber optic connector to be inspected into the fiber insert entrance using the correct adapter for either a 1.5mm ferrule or 2.5mm ferrule.

Step 2: Look into the eyepiece and press on the on/off LED light switch to illuminate the fiber optic connector endface. (IMPORTANT: Check the other end of the fiber to make sure it is not plugged into a laser transmitting device)

Step 3: Adjust the focus control until the fiber optic endface comes into focus. NOTE: you may have to turn the focus control several times on the first use.

Laser Safety

This Fiber Inspection Microscope is equipped with potent laser safety filter to decrease risk of damage due to accidental expose to active fiber optic laser signals. The filter will provide over 35 dBm of attenuation at 1310nm and 1550nm. In addition, it will provide over 20.5 dBm of attenuation at 850nm, 1550nm. For 1310nm and 1550nm laser sources up to + 15 dBm we feel our microscope will provide a sufficient safety backup in cases of accidental viewing.

Beyond this power level, and in particular when using systems incorporating Raman amplification, we suggest you utilize our Video Inspection Microscope. These microscopes provide the highest level of safety assurance during microscope inspection since the video camera. If you are unfamiliar with fiber optic laser signals, we suggest using a trained professional for inspection.