

# Fiber Clean Tools Series



## CT-01

### Fiber Optic Cleaning Pen



#### Description

Fiber Optic BOB-Mini is designed to specially work well with the MU and LC connectors ( $\Phi$  1.25mm), this instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face.

#### Key Features

- ◇ One action cleaning system
- ◇ Easy pushing motion engages connector and initiates cleaner
- ◇ Disposable with 800+ cleanings per piece
- ◇ Made from anti-static resin
- ◇ Cleaning micro fibers are densely stranded and debris free
- ◇ Extendable tip reaches recessed connectors
- ◇ Cleaning system rotates 180 for a full sweep
- ◇ Audible click when engaged

#### Applications

1. Fiber network panels and assemblies
2. Outdoor FTTX applications
3. Cable assembly production facility
4. Testing laboratories
5. Server, switches, routers and OADMS with SC and LC interface

## CT-02

### Fiber Optic Cassette Cleaner



#### Key Features

- ◇ Compact and light weight design
- ◇ Simple push button shutter operation
- ◇ Replaceable clean tape reels are cost effective
- ◇ Over 500 swipes each tape
- ◇ Excellent anti-static properties minimize reattachment of dust to the connector after cleaning
- ◇ Consistent Cleaning results without alcohol

## CT-04

### MPO Fiber Optic Cleaner



#### Description

- ◇ Soft material efficient clean fiber and face.
- ◇ One-time efficient clean MPO & MTP fitting all optical fiber end face.
- ◇ With dedicated superfine fiber, won't fine fiber core
- ◇ Make scratches, simply press the operation to remove dirt
- ◇ Can complete cleaning of more than 600 times
- ◇ And refined design easy to operate, easy to carry
- ◇ Through the loading and unloading of the cap
- ◇ One can clean for the plug with the adapter

## CT-05

### Fiber Cleaning Wipes Cloth



#### Description

1. Material: Microfiber Cloth
2. Excellent water and other liquid absorption, extremely low ionic contaminants and extractable.
3. It is so soft and will not hurt the surface of the object
4. Provide adequate wet and dry strength
5. Unlikely to cause a chemical reaction.
6. Application Scope: semiconductor assemble/ aviation/ laboratory electronics industry/ computer assembly/ optical instrument manufacturing/ LCD liquid crystal display/ precision instruments/ optical products/ aviation industry/ and the circuit board production line, especially applicable to the semiconductor industry.
7. using the 18M ultrapure CDI to clean, packing in 100 state-of-the-art clean room; four sides with Laser Edge, hair, fibers decreased, low dust, low ion release

#### Package

100 Pieces/Pack 5.0cm×10.0cm / 3.0cm×10.0cm

## CT-08

### Fiber Cleaning Sticks



- ◇ Easy to clean ferrule end-faces inside the plug-in fiber-optic connectors and various adapters.
- ◇ Lightweight and safe to use. Compact and disposable
- ◇ No adhesives, binders, or fibers to leave residues
- ◇ Compatible with 2.5mm / 2.0mm / 1.25mm
- ◇ Able to customized production.
- ◇ 100pcs/box

## CT-06

### Fiber End Face Cleaning Wipes



- ◇ Product Name: low dust wiping paper
- ◇ Color: white
- ◇ Specification: 110mm x 210mm
- ◇ Each package number: 280
- ◇ 100% original pulp with special processing technology, pure texture, high water absorption;
- ◇ A variety of specifications, to meet different needs.

#### Applications

- ◇ Wipe clean, scientific analysis of precision instruments;
- ◇ With the solvent for surface cleaning products;
- ◇ Wipe precision components;
- ◇ Clean the printing equipment;
- ◇ Special packaging of components.
- ◇ Optical communication instrument, optical fiber end cleaning

## CT-07

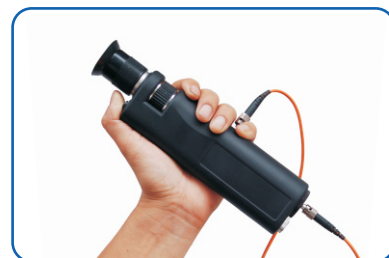
### Compressed Air Duster Cleaner Can



- ◇ Capacity: 200ml
- ◇ Quick Features
- ◇ Safely removes dust and lint from hard-to-reach places
- ◇ Moisture Free 100%
- ◇ Works both on live equipment and hot components
- ◇ Great for removing & cleaning debris from fiber connector end face, PCB board, and other surface of high-precious instrument.

# CT-09

## Fiber Optic Microscope



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This CT-09 Fiber Optic Microscope is used for inspecting fiber terminations, providing the most critical view of fiber end faces. This mini version is smaller and easier to carry. It produces excellent details of scratches and contamination with its good optical performance and integrated laser safety filters. It is the clear choice for critical examination of polish quality.

The built-in LED light produces lighting into an optical path which enables an optimal view and lighting for your examinations and inspections at any time. CL mode is ideal if you frequently terminate fiber and have received professional training. It provides excellent views of the ferrule end face.

The pre-installed 2.5 mm universal adapter is compatible with SC, FC, ST and E2000. Now the new version comes with a FREE 1.25 mm adapter which is compatible with LC and MU.

### Features

- ◇ 400x Optical Magnification
- ◇ LED illumination
- ◇ Laser filter installed for eye protection
- ◇ Versatile adapter interface
- ◇ Clear bright images
- ◇ Smooth focus control
- ◇ Momentary or push button on / off switch for light source

### Specifications

- ◇ Optical Magnification: 400x
- ◇ Illumination Light Source: White LED, rated for 100,000 hours
- ◇ Controls: 2 minutes auto-off switch for light source, Fine focus control wheel
- ◇ Safety Filter: Built-in IR filter
- ◇ 1.25 mm universal adapter compatible with LC and MU
- ◇ 2.5 mm universal adapter compatible with SC, FC, ST and E2000
- ◇ Adapter Interface: User interchangeable universal adapters, or dedicated connector type
- ◇ Power Source: 2 x AAA Alkaline batteries (not included)
- ◇ Carrying pouch provided
- ◇ Item Size: approx. 185 (L) x 48 (W) x 35 (D) mm  
(7.28 x 1.89 x 1.38 inch)
- ◇ Item Weight: approx. 271 g

# CT-10

## Fiber Optic Microscope with LCD monitor



Reliability and performance of a fiber optic link largely depends on the quality of interconnects. Contaminated connectors can cause the mating surfaces to separate leading to high insertion loss and back-reflection. Furthermore, some dirt particles can even scratch or dig into the glass causing permanent damage to the end-face of the connector. Therefore, inspection of fiber optic connectors should be performed whenever a connection is to be made.

The Fiber Optic Connector Inspection is an intelligent handheld video microscope suitable for inspection of patch cords, bulkhead receptacles and a variety of connectors found in fiber optic communication systems.

### Features

- ◇ 3.5-inch TFT color display
- ◇ Well-centered, high resolution image
- ◇ Image capture and storage
- ◇ Instant video recording
- ◇ 250x Magnification
- ◇ 4x Digital zoom (optional)
- ◇ Standard tips (SC, FC, ST, LC)
- ◇ USB plug-and-play

### Specifications

Display	3.5" TFT-LCD,320×240 pixels
Dimensions	170mm×100mm×40mm
Weigh(including battery)	200g
Power Supply	Replaceable battery or universal input 5V DC asapter
Battery	Replaceable Li-Ion,3.7V/1450mAh
Battery Life	> 3 hours(continuous)
Charger/AC adater	8GB SD card
Image/Video Storage	-20℃ to 50℃
Operating Temperature	-30℃ to 70℃
<b>Inspection Probe</b>	
Magnification	400× ( 9" monitor ) ;250× ( 3.5" monitor )
Detection Limit	0.5 μ m
Focus Control	Manual,in-probe
Principle	Bright field reflected light microscopy
Dimensions	180mm×40mm×30mm
Weight	200g

## CT-11

### USB Fiber Optic Microscope



CT-11 features USB function to connect the laptop or PC directly, which includes image sensor inside the probe to have real-time inspection, no need for any additional power cord and driver.

#### Features

- ◇ Single way to have focus control, stir the wheel with fingers simply to have loop control with back or forward movement.
- ◇ Precise cone contact to reach 98% alignment consistency.
- ◇ 250x magnification ability, less more 1um Resolution.
- ◇ Digital sensor inside the probe to access the laptop or PC directly.
- ◇ Ability to inspect MPO/MTP etc. PC and APC multiple cores end face.

## CT-12

### Fiber Optic Cleaning Inspection Kit



This fiber optic cleaning and inspection kit provides a selection of fiber optic cleaning products for use on fusion splice prep, connector endfaces on jumpers and through bulkhead adapters. The cleaning products are offered to effectively prepare fusion splicing, clean connectors, maximizing network performance.

#### Packing List of this cleaning kit

- ◇ Optical Fiber Video Inspection Probe
- ◇ 3.5 LCD Monitor
- ◇ Standard Tips :
  - a) 2.5mm PC male adaptor
  - b) 1.25mm PC male adaptor
  - c) FC/SC/ST PC female adaptor
  - d) LC/PC female adaptor 1
- ◇ 2.5mm Fiber Optic Cleaner Pen SC/FC/ST
- ◇ 1.25mm Fiber Optic Cleaner Pen LC/MU
- ◇ Optical Connector Cleaner
- ◇ Carrying Tool Case

# CT-13

## OTDR Launch Cable Box/ Dead Zone Eliminator



Portable Test Fiber Launch Box provides a calibrated span of optical fiber to evaluate near-end connectors and anomalies in network fiber systems. The Launch Box is placed between the system under test and an OTDR (Optical Time Domain Reflectometer) to improve the OTDR's ability to identify passive system components and abnormalities during system qualification and troubleshooting.

### Full-Featured Design Offers Maximum Protection and Versatility

Our full-featured design stores both the optical fiber and access connectors in a light-weight, rugged transit case that protects the sensitive optical components against harsh outside plant installation and maintenance environments. For long haul testing, CT-13 Launch Boxes are capable of holding single-mode or multimode fiber lengths up to 25 kilometers. Custom lengths and various connector styles are available, providing ultimate convenience and portability.

### Get the Whole Picture

An OTDR's inability to detect near-end fiber optic connectors at the patch panel severely reduces its testing effectiveness. This is due to the relatively slow recovery time of laser pulses reflecting off the OTDR bulkhead connector and subsequently being displayed on the monitor. Using a properly calibrated portable launch box is the solution. The number of backscatter data points is increased via the launch box prior to the first connector pair. A reflective pulse on the OTDR screen then properly depicts the patch panel connection.

### The Confusion with Fusion

Unlike other launch boxes, CT-13 Launch Box is directly connection to provide a continuous, high quality link for testing. A fused pigtail within several meters of each connector tip cannot be independently identified on the OTDR and increases the apparent loss of each connector. This reduces the near-end measurement accuracy of the OTDR. CT-13 Launch Box is fuse free to deliver optimum test results.

### Specifications

- ◇ Fiber Types: SM / MM
- ◇ Fiber Length: 500M / 1000M / 2000M
- ◇ Dimensions: (24.5cm x 13.8cm x 6cm)
- ◇ Weight: < 4 lbs. (0.9kg)
- ◇ Temperature Range: -40° F to 122° F (-40°C to 50°C)
- ◇ Humidity: 0 to 95%
- ◇ Connector Type: FC, SC, ST, LC, MTRJ – Ultra and Angled Varieties (other styles available upon request)