

# HYTT-LKS-TOOL-A Optical Connector Cleaner Series

The cause of many troubles in optical communication equipment is contamination on the end face of optical connectors. HYTT-LKS-TOOL-A optical connector cleaners use fiber developed specifically for optical connectors, so even the smallest contaminants not visible to the naked eye are removed.

We have prepared a full lineup of cleaners compatible with every type of optical connector. Please put our technology to work for you.



The manufacturers in optical connector cleaners, brings to you the highest quality cleaning tools



## Introduction

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
- Standard tips (SC, FC, ST, LC, MU, E2000)
- USB plug-and-play

## Specifications

Mainframe	
Display	3.5" TFT-LCD, 320 x 240 pixels
Dimensions	170mm x 100mm x 40mm
Weight(including battery)	200g
Power Supply	Replaceable battery or universal input 5V DC adapter
Battery	Rechargeable Li-Ion, 3.7V / 1450mAh
Battery life	> 3 hours (continuous)
Charger/AC adapter	US, EU, UK and Australian versions available
Image / Video Storage	8GB SD card
Operating Temperature	-20° C to 50° C
Storage Temperature	-30° C to 70° C
Inspection Probe	
Magnification	400X (9" monitor); 250x (3.5" monitor)
Detection Limit	0.5 μ m
Focus Control	Manual , in-probe
Principle	Bright field reflected light microscopy
Dimensions	180mm x 40mm x 30mm
Weight	200g

## Package Contents

Standard Accessories	
Inspection Probe	x 1
Mainframe	x 1
AC power adapter/battery charger	x 1
Rechargeable battery pack	x 1
2.5mm tip for PC male connectors	x 1
1.25mm tip for PC male connectors	x 1
Tip for SC / FC PC female connectors	x 1
Tip for LC PC female connectors	x 1
Tip box	x 1
User Manual	x 1
Carrying case	x 1
Optional Accessories	
2.5mm tip for APC male connectors	x 1
1.25mm tip for APC male connectors	x 1
Tip for SC APC female connectors	x 1
Tip for FC APC female connectors	x 1
Tip for LC APC female connectors	x 1

## Introduction

Fiber Optic Cleaner Pen is designed to specially work well with the female connectors, this instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face.

## Features

- Disposable with 800+ cleanings per unit
- Easy pushing motion engages connector and initiates cleaner
- Made from antistatic resins
- Cleaning micro fibers are densely stranded and debris free
- Extendable tip reaches recessed connectors

## Ordering

- FC/SC/ST Cleaner Pen, universal 2.5mm;
- LC/MU Cleaner Pen, universal 1.25mm.



## Features

- Efficient and easy to use
- Delivers consistently high quality cleaning performance
- Lightweight and safe to use
- Anti-static resin is used

## Specifications

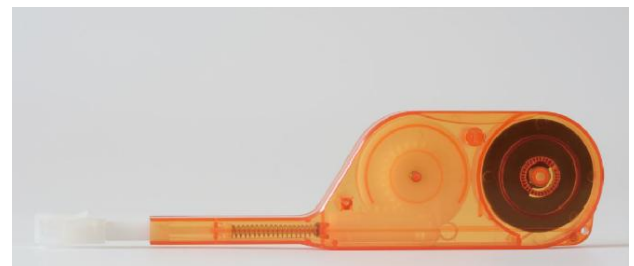
Product Name	Neoclean-N
Connector	SC,FC,ST,MU,LC,MPO,MT,MTRJ
Cleaning time	500 times
Size(mm)	W 115 × H 79 × D 32
Replacement Reel	ATC-NE-NS 10 reels/set



# MPO/MTP Connector Cleaner

## Introduction

Many troubles in optical communications equipment are caused by contamination on the optical connector end face. CLEP-MPO, the MPO/MTP connector cleaner, employs microfibers designed specifically for optical connectors to remove even the smallest contamination not visible to the naked eye. Please take advantage of the improvements you will receive in optical construction working efficiency and in communication services reliability.



## Features

### —One-push operation with no special skills required

The specially designed microfibers remove contaminants by an easy push operation without damaging the delicate optical fiber core.

### —Compact design with workability in mind

Brings you the possibility of over 600 cleanings in a very portable compact design that excels in workability.

### —Compatibility for both plugs and adaptors in one unit

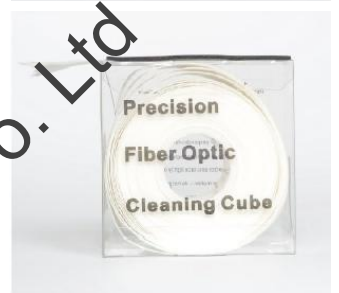
In addition of optical port adaptors, attaching the cap (included) allows you to also easily clean plugs too.

Product Name	CLEP-MPO Cleaner	
Compatible Connectors	MPO connector	MTP <sup>®</sup> connector
Compatible End Face	Flat and 8 degree slant (compatible with or without guide pins)	
Size (mm)	Main Body: 197L×15W×51H With Cap Attached: 208L×17W×51H	
Standard Usages	Over 600 times	

## Introduction

- This Economy Optic Fiber Cleaner replaces the use of solvent or alcohol and wipes. The cartridge is filled with lint-free, clean room-grade cleaning material. Use it to remove dirt, dust, debris, grease and oil from connector end faces. The resilient rubber pad under the cleaning surface prevents scratches.

- Slide the cover back to expose the cleaning cloth. Clean up to six connections before advancing the tape to use a clean portion. Tear off material as required. Clean ferrule sides with excess. Using a forward motion, press connector lightly on exposed cloth twice. Inspect connector end face. Repeat if needed. When not in use, the cleaning substance is protected from contamination by a sliding cover. The lightweight cartridge is filled with 20 feet of cloth tape.



## Ordering

- Economy Optic Fiber Cassette Cleaner;
- Precision Fiber Optic Cleaning Cube.

## Clean Air

## Introduction

CleanAir(Asrosol Dust Removal System) use in delicate instruments and computer equipment. Ideal for cleaning computer keyboards ,optical measurement equipment ,removing microscopic Dust ,printers, timing devices, cash machines, fax machines, photo equipment, VCR's, Cd's, And delicate lab equipment.

## Features

- Fiber Clean Jet-Duster removes microscopic contaminants, lint, dust, metallic oxide deposits and other oils.
- Non-flammable
- Moisture free gas
- Odorless
- Zero residue
- Net weight: 8 Oz.(227 g)





## Introduction

The fiber optic microscope utilizes a white light LED for coaxial illumination. Light is introduced into the optical path (axis) so that it comes out the tip of the objective lens and strikes the ferrule perpendicular to the end face. This method of illumination produces a high level of resolution providing excellent detail of scratches and contamination.

Light source: 3\*AAA batteries

Controls: momentary on/off switch for light source and fine force control wheel



## Optional Adapters

2.5mm APC Univesal Adapter (Used for SC/APC, FC/APC, ST/APC)

1.25mm LC/APC connector adapter

# Fiber Clean Sticks

## Introduction

To clean the end face of connectors already installed in patch panels and hardware devices, you insert the stick into the bulkhead adapter or receptacle, make the tip contact the connector end face, make a single turn and then pull the stick out and dispose. You should never reuse a stick.

The Stick Type Connector Cleaner uses dry alcohol-free cloth, its stick-type shape makes it a superb tool for cleaning connector ferrule end face located in difficult spots inside the adaptors. One piece of stick type cleaner can be used for four wipes for equipment construction and one wipe for maintenance purpose. Two models serve almost all types of connectors.

## Features

- Easy to use and efficient. Delivers a consistently high level of cleaning performance.
- Easy to clean ferrule end-faces inside the plug-in fiber-optic connectors and various adaptors.
- Lightweight and safe to use. Compact and disposable.
- Suitable for cleaning inside adaptors due to dust control.



## Specification

Type	Type 2.5mm	Type 1.25mm	Type 2.0mm	
Cleans per stick	Maintenance (for repair) 1 cleaning / piece			
Connectors cleaned	SC, SC2, FC, ST, DS	MU, LC	for connectors for high definition television camera	
Dimension L (mm)	146	101	146	146
Packaging	100 pcs/set	100 pcs/set	100 pcs/set	100 pcs/set
Remarks	-	-	-	double ended



## Fiber Optic Inspection & Cleaning Kit

- Optical Fiber Video Inspection Probe
- 3.5" LCD Monitor
- Standard Tips : U25M, U12M, U25F, ULCF
- 2.5mm Fiber Optic Cleaner Pen SC/FC/ST
- 1.25mm Fiber Optic Cleaner Pen LC/MU
- Optical Connector Cleaner
- Carrying Tool Case

**Fiber Optic Inspection & Cleaning Kit** provides a selection of fiber optic cleaning products for use on fusion splice prep, connector endface on jumpers and through bulkhead adapters. The cleaning products are offered to effectively prepare fusion splicing, clean connectors, maximizing network performance.

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