

Instruction Manual for Optical Connector Cleaner 「CLETOP®-S」

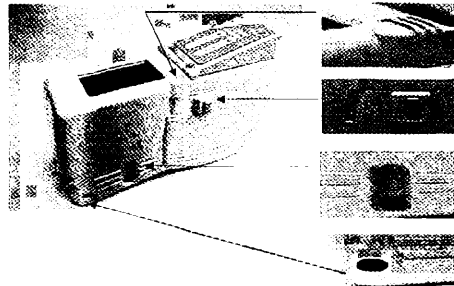
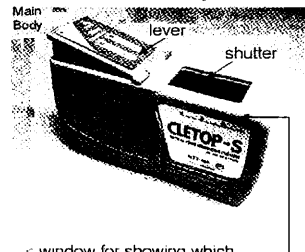
1 . Introduction

Thank you for using our optical fiber connector cleaner CLETOP-S. The conventional method of cleaning optical plug ferrule end-faces depends upon worker-skill and generally requires use of alcohol and wiping with tissue or freon gas. However, NTT-AT's connector cleaner CLETOP-S provides thorough cleaning of the ferrule end-face by using a dry alcohol-free cloth and all operators can consistently achieve high quality cleaning without alcohol or other solvents.

The CLETOP-S series has excellent anti-static properties to avoid reattachment of dust to the ferrule after cleaning and is available for static sensitive applications.

The CLETOP (Stick-type) is also available for cleaning the ferrule end-face located in such difficult spots as the inside of the adapter.

2 . Name of each part



- < liner design >
This liner design makes cassette open easier.
- < lock button >
This button is double-locked to avoid sudden open.
- < Window for checking remainder of tape >
Remainder of tape can be easily checked through this window.
- < strap hole >
Reeve a strap in this hole and dangle the cassette from your neck to avoid dropping damage while at work.



This window shows what type of rubber is set in the cassette.

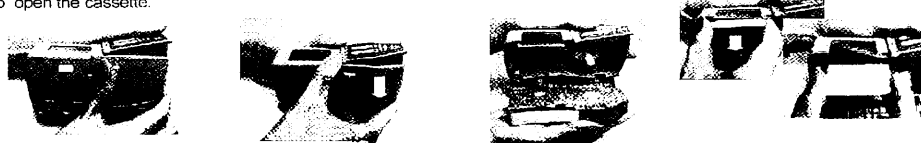
【Shape of guide sheet】

Type name	Shape	Applicable connector
TYPE A		SC,FC,ST,DIN,D4
TYPE B		MU,MT,LC,Biconic MPO < without pin > MT-RJ < without pin >

3 . How to clean the connector

- (1) Set the suitable rubber pad according to the connector type to be cleaned. (Example: How to replace Type B with Type A.)
If there is no need for replacing the rubber pad, please go ahead to (2).

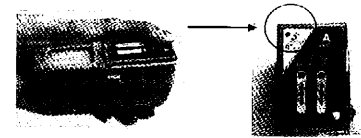
- ① Hold the CLETOP-S and push blue part of the lock button and move it to right to open the cassette.
- ② Put your thumb on the liner designed part and open the lid.
- ③ Take out the tape cartridge by tilting the cassette.
- ④ Remove type B rubber and replace it with type A rubber.



- ⑤ Set the cartridge into the cassette again. Pull in the slack of the tape before setting it into the cassette.
- ⑥ Shut the lid by pushing its upper corners.
- ⑦ Push the lever a few times to confirm that the tape is being wound correctly.



- (2) The lever winds the cleaning tape equipped inside the cassette and simultaneously opens the shutter.



Note) Please push the white marked part of the lever as shown in a circle. If you strongly push other part than the above, it may cause some trouble.

- (3) While pressing the lever and keeping your thumb depressed on it, press the optical plug ferrule end-face against the cleaning tape surface and move it slowly in arrow's direction.

- Note 1 : Contamination may leave behind if pressure to the plug is insufficient. Apply sufficient pressure to the plug to the extent that the tape is not twisted.
Note 2 : Press the plug against the tape vertically and move it straight. If the plug is pressed and moved aslant, the tape may be twisted.
Note 3 : Cleaning performance may change depending upon environment and contamination types.

- ① Set the plug on the tape surface and rotate it from side to side.

- ② Move the plug while pressing it against the tape surface. Apply sufficient pressure (approx 600 g) to ensure ferrule a little depressed.

【TYPE A】



< SC Plug >



< SC Plug >

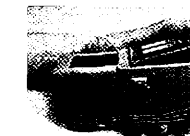
【TYPE B】



- ① Move the plug while pressing it against the tape. Apply sufficient pressure (approx 250 g) to ensure ferrule a little depressed.

< MU Plug >

- (4) Release the lever to allow it to return to its initial position.



4 . When the cleaning tape is running short

One cleaning tape cartridge can be used over 400 wipes. The cartridge is replaceable and you can continue to use the CLETOP-S cassette.

*Please use this product in a proper way based upon this instruction manual.

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