

# EDV-136 Electromotive Cleaner User Manual



REVISION 01

July, 2011

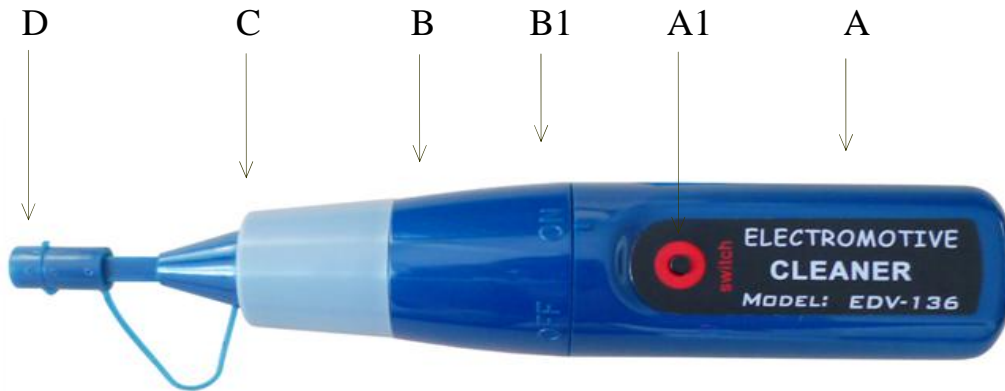
Eternal Part Number EDV-136A-000-01

Thank you for your purchasing the EDV-136 Electromotive Cleaner from Eternal, which, radically resolve the traditional difficulty of fiber end-face cleaning. Not only performs effective cleaning, EDV-136 also operates efficiently and conveniently, proving to be your best choice for fiber maintenance.

**EDV-136 Overview**



**Cleaner Body Introduction**



**Parts Introduction:**

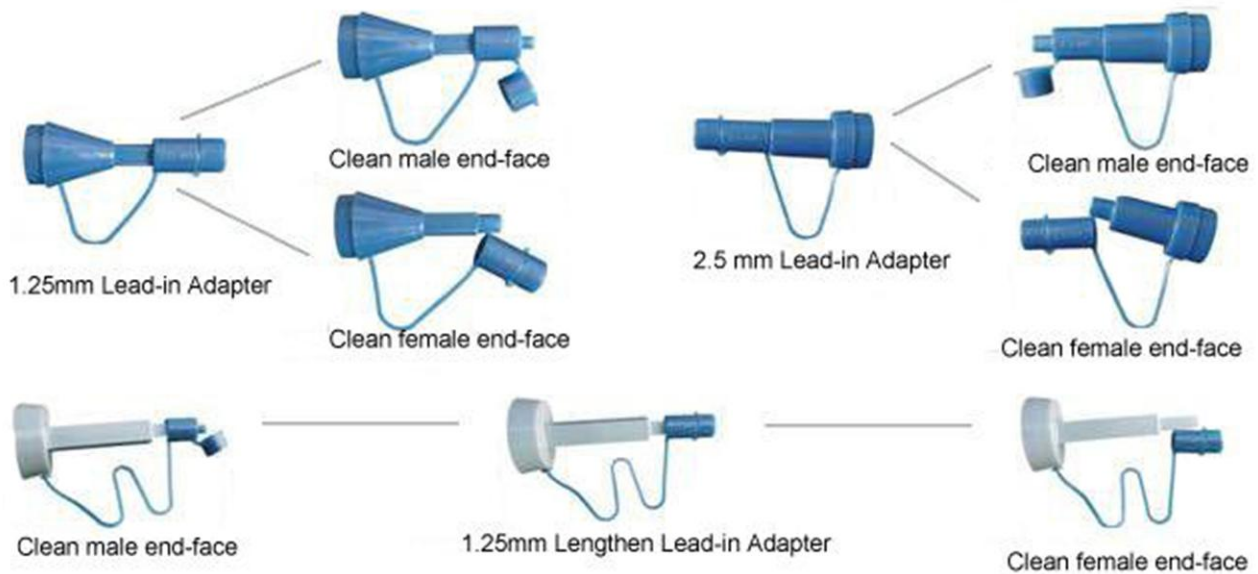
- A: Battery Pack, Two BATT inside (AA).      A1: Cleaning Button
- B: Motor with High Speed & Stability      B1: OFF—ON Mark
- C: Adapter Sleeve outside, Rotation Axis inside.
- D: Lead-in adapter, help the alignment of cleaning bar against the fiber end-face.

### Cleaner Installation:

- Break off the cleaner body, Put the batteries into it as electrode symbol suggested inside. Please be sure that part B is properly connected with part A where the carved “on” on part B1 is against the trail on part A.
- Connect the P into the front end of part B ( No need to connect if LC/MU adapter is used).
- Insert 2.5mm or 1.25mm refill (cleaning stick) into the rotation axis, Remove the dust cap the same time.
- Connect the lead-in adapter in proportion.
- Press the button “switch” to start to clean.



### EDV-136 Lead-in Adapters



Not only have three types of adapters, covering all the cleaning modes, EDV-136 also concentrate different functions (one Lead-in adapter can clean both male and female type) , distinguished from the traditional tools, bringing you a complete convenience for operating.

## EDV-136 Cleaning Materials

Types : There are two types of Cleaning Materials: EDV-F25 / EDV-F15



EDV-F25 Refill(cleaning stick)



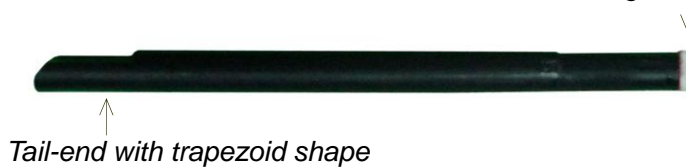
EDV-F15 Refill(cleaning stick)

The materials from the front-end of stick are 0.5~0.8mm thick, madding from imported high-density glabrous fiber. It rotates with stick 80 transfer per second, sucking all the contamination from the end-face just within 3~5 s. No breakage, no slag, consecutive cleaning of 20 faces per stick even contribute to no repeated pollution, but please note that consecutive cleaning of 50 faces per stick may relatively weaken the performance.

Application:

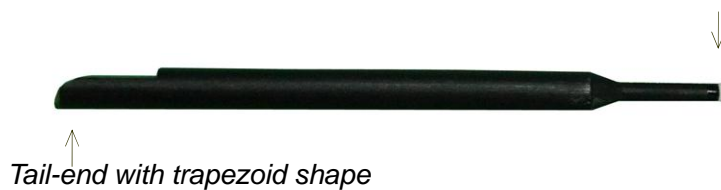
EDV-F25: To clean the 2.5mm female or male end face of SC/FC/ ST.

*Front-end with Cleaning Material*



EDV-F15: To clean 1.25mm female or male end-face of LC/MU.

*Front-end with Cleaning Material*



Specification:

Item	Quantity Per Box	Cleaning Target	Cleaning Times
EDV-F15 Cleaning Stick (1.25mm)	300pcs	LC、 MU end face	6000~15000 times
EDV-F25 Cleaning Stick (2.5mm)	250pcs	SC、 FC、 ST、 E2000	5000~12500 times
	500pcs	SC、 FC、 ST、 E2000	10000~25000 times

**Note:** (Please read carefully to have the best cleaning effect)

- Cleaning required time: 5 sec.
- Insert the cleaning stick to the rotation axis, revolve it till be properly aligned with trapezoid inside end. Also note that the materials should be carefully protected before the removal of the protective sleeve from the front-end of stick.
- Cleaning Sticks are made from specific materials and closely processed, please note that any liquid as alcohol / cleaning fluid et al should be avoided.
- Repeated cleaning times can be 20~50 per stick. More sticks are required for the end-face with oil contaminations. Replacement of sticks is necessary if cleaning materials are damaged or come off.
- For the rust-like contaminations, following steps are suggested: Dip some alcohol to the stick to clean several times till contaminations are swelled and removable. Use another stick without alcohol to clean several times afterwards. Have a final cleaning with a third new stick.
- Cleaning Stick has no use to the end-face scratched or nicked, exchanging the connector is suggested.
- Use the FVO-600A series microscope to inspect and check the cleaned end-face.

## EDV-136 Application & Operation

Note: each step should be carefully operated to avoid any laser signal and protect your eyes.

### To clean the 2.5mm ferrule fiber end-face

Male ferrule cleaning



Working Steps:

- Insert the EDV-F25 cleaning stick, fix the 2.5-M/F lead-in adapter, remove the dust cap, rotate the ON-OFF part against the trail mark.
- Insert the male ferrule into the adapter, press slightly to promise a normal use.
- Press the button 5s to complete the cleaning.

Female ferrule cleaning



Working Steps:

- Insert the EDV-F25 cleaning stick, fix the 2.5-M/F lead-in adapter, remove the dust cap and male part of lead-in adapter, rotate the ON-OFF part against the trail mark.
- Insert the cleaning stick into the flange, press slightly to promise a normal use.
- Press the button 5s to complete the cleaning.



## To clean the 1.25mm ferrule fiber end-face

Male ferrule cleaning



Working Steps:

- Insert the EDV-F15 cleaning stick, fix the 1.25-M/F lead-in adapter, remove the dust cap, rotate the ON-OFF part against the trail mark.
- Insert the male ferrule into the adapter, press slightly to promise a normal use.
- Press the button 5s to complete the cleaning.

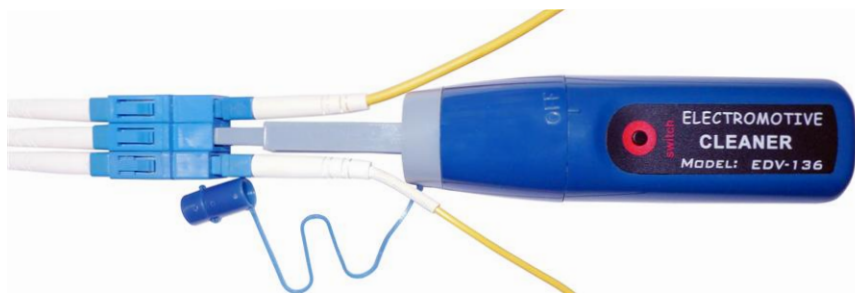
Female ferrule cleaning



Working Steps:

- Insert the EDV-F15 cleaning stick, fix the 1.25-M/F lead-in adapter, remove the dust cap and male part of lead-in adapter, rotate the ON-OFF part against the trail mark.
- Insert the cleaning stick into the flange, press slightly to promise a normal use.
- Press the button 5s to complete the cleaning.

## To clean High density LC fiber end-face



Working Steps:

- Remove the adapter sleeve, insert the EDV-F15 cleaning stick, install and fix the LC-F lead-in adapter, remove the dust cap and male part of lead-in adapter, rotate the ON-OFF part against the trail mark.
- Insert the cleaning stick into the LC port, press slightly to promise a normal use.
- Press the button 5s to complete the cleaning.

Note:

- To minimum the time span of interrupted signal, separate cleaning of female and male end-face is suggested.
- The most common 2.5mm fiber ferrule types: SC/FC/ST/E2000
- The most common 1.25mm fiber ferrule types: MU/LC

- Male Ferrule: Fiber ferrule not inserted in the flange or fiber end-face in the mode.
- Female Ferrule: Fiber ferrule inserted in the flange.
- High-volume Alkaline battery prefer.

### EDV-136 Standard Allocation

Item	Goods	Qty	Description
01	EDV-136 Cleaner	1PCS	Cleaner body (Two BATT included)
02	EDV-F25 Cleaning Material	30PCS	Clean 600~1500 end-faces
03	EDV-F15 Cleaning Material	20PCS	Clean 400~1000 end-faces
04	2.5-M/F、1.25-M/F、LC-F Lead-in Adapter	1 PCS Each	Clean 2.5mm and 1.25mm female and male fiber end-faces.
05	Carrying Box	1 PCS	Placement of standard allocation

### Operating Notice

To achieve the best cleaning effect, please operate as the following:

- Grasp the cleaner handle, switching the pressure between end-face and refill repeatedly, 1s per time is suggested.
- Hold the “switch” button till the removal of cleaner, please note that don’t cease the button ahead of time in case of any secondary pollution.

### EDV-136 Application reminder

- Cleaning sticks should be installed correctly, please note that the gap end of stick should be matched to the joint sleep of the cleaner properly.
- Be sure to install the adapter before cleaning operation, please note that adapter usage is a must.
- Be sure to align the stick straightly to the fiber cleaning port, please note that any deviation from the fiber cleaning port will affect the cleaning performance.
- Be sure to have the way of migratory cleaning, please note that using the cleaner movably to clean the fiber port.
- Be sure to control the cleaning time within 3-4s.
- Be sure not to shut down the power till all the cleaning actions are completed.
- Be sure not to contact any liquid to the cleaning sticks, please note that all these cleaning materials should be protected from any liquid including the sweat from fingers.
- Be sure the cleaning materials are preserved under the condition of 35°C below and 50% humidity around.

## Warranty Information

All AusBest Brand products are warranted against defective material and workmanship for a period of three years from the date of shipment to the original customer. Any product found to be defective within the warranty period will be repaired or replaced by Shenzhen Eternal Science Development Co Ltd (Eternal Science). In no case will Eternal Science's liabilities exceed the original purchase price of the product.

### Exclusions

The warranty on FTN450 Fiber Scope shall not apply to defects resulting from the following:

1. Unauthorized repair or modification.
2. Misuse, negligence or accident.

### Warranty Registration

A warranty registration card is included with the original shipment of equipment. Please take a few moments to fill out the card and email or fax it to Eternal Science to ensure proper initiation of your warranty term.

### Returning Equipment

To return equipment under warranty, please contact your local reseller/distributor, or direct to Eternal Science. to obtain additional information and a Return Materials Authorization number (RMA#). To allow us to serve you more efficiently, please include a brief description of the problem(s) found with the equipment.

See us at :

<http://en.szetn.com>