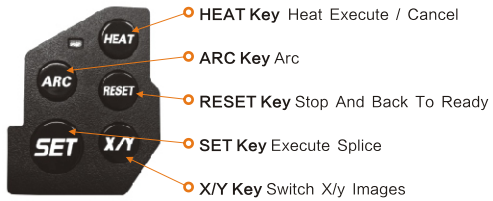
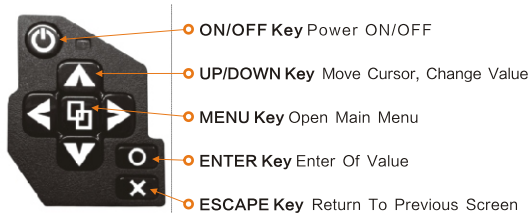


Key Panel



Led Light Indication



Turning ON

Press Key Until Red LED Turns On

Turning OFF

Press Key Until Red LED Turns On



Heater LED

Press Key Until Blue LED Turns On



Single Fiber Optic Fusion Splicer

Quick User Guide

How To Recharge Battery Pack



- ⦿ Input power: AC100~240V, 50~60Hz
- ⦿ Use only supplied AC power cord.
- ⦿ Do not stack battery pack on top of AC adapter while recharging.
- ⦿ Confirm power saving function is working when using battery.

How to check remaining capacity



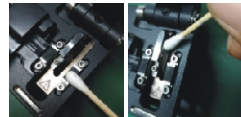
Cleaning Before Splice Operation

V-grooves



- ⦿ Clean bottom of V-groove with a thin cotton swab moistened with alcohol.
- ⦿ Remove excess alcohol from V-groove with a clean dry swab.
- ⦿ Use a cleaved fiber end-face to dislodge.

Fiber Cleaver

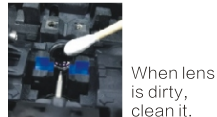


- ⦿ Clean rubber pads
- ⦿ Clean rubber anvil
- ⦿ Clean blade

Fiber Clamp Chips



Objective Lens



When lens is dirty, clean it.

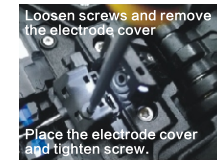
Caution of Cleaning

- ⦿ Do not contact the electrode tips.
- ⦿ Use only 99% or better purity of alcohol.

Replace Electrodes

When “Replace electrodes” message appears, or when the tip is damaged, replace electrodes.

- ⦿ Execute “Replace Electrodes” in Maintenance Menu.
- ⦿ Use attached screw driver to replace electrodes.



- Load prepared fibers onto the splicer.
- Execute < Electrode Stabilize >
- < Arc Adjust > is executed

Ways Of Solution Of Common Error

Error Message	Reason	Solution
Left/Right fiber place error	The fiber end-face is placed on the electrode centerline, or beyond it.	Press Reset, and set the fiber end-face between the electrode centerline and the V-groove edge.
Press motor distance over limit	The fiber is not set correctly at the bottom of the V-groove.	Press RESET, and load the fiber correct.
Fiber end-face touch	[Overlap] is set too low. Motor is not calibrated.	Adjust [Overlap] value. [Motor Calibration] maintenance.
Fiber tracking failed	The fiber is not set correctly at the bottom of the V-groove. The fiber is not located in the Camera's field of view. The cleave length (bare fiber part) is too short.	Press RESET Key, Reload fiber correctly at the bottom of the V-groove. Check the cleave length (bare fiber part) on fiber cleaver.
Fiber is dirty	Dust or dirt is on the fiber surface.	Completely prepare the fiber again.
	Dust or dirt is on the objective lens.	Clean the lens and execute the [Dust Check]. Clean the lens if dust or dirt exist.
Cleave Angle off normal	[Clean Arc] time is too short a.	Set the [Clean Arc] time to 180ms.
	Bad fiber end-face.	Prepare fiber again. If problem remains, check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.
Core Angle off normal	[Cleave Angle Limit] is set too low.	Set the [Cleave Angle Limit] to proper value (Standard 3.0°)
	[Core Angle Limit] is set too low. Dust or dirt is on V-groove or Clamp.	Set the [Core Angle Limit] to proper value (Standard 1.0°) Clean V-groove and Clamp Chip, Prepare fiber again, reload fiber

Steps Of Operation

- Turn splicer on →
 - ⦿ When splicing only standard SM fibers (ITU-T G.652.), “SM Mode” mode is recommended.
- Confirm splice and heater mode →
 - ⦿ When splicing different types of fibers, “Auto Mode” is recommended, but splice speed is slow.
- Clean coating or sheath of fiber →
 - ⦿ Make sure the stripped fiber is free of coating debris or contamination.
 - ⦿ Use only 99% or better purity alcohol.
- Place protective sleeve over fiber →
 - ⦿ Do not allow the cleaved fiber ends to touch anything or become contaminated.
- Strip fiber →
- Clean fiber →
- Cleave fiber →
- Load fiber onto fiber holder →
- Splicing start automatically →
- Visual inspection on LCD during splice →
 - Open heater oven cover
 - Spot of fusion
 - Move to heater oven
- Remove spliced fiber →
- Centering protection sleeve in tube heater →
- Centering spliced point in tube heater →
- Heating start automatically →
- Completed

Note When splicing loss is large or When an altitude changes drastically, [stabilizing electrodes] and [Arc Adjust] must be executed before splicing.

