Key Panel

- **ON/OFF Key** Power ON/OFF
- **UP/DOWN Key** Move Cursor, Change Value
- **MENU Key** Open Main Menu
- **ENTER Key** Enter Of Value
- **ESCAPE Key** Return To Previous Screen

- **HEAT Key** Heat Execute / Cancel
- **ARC Key** Arc
- **RESET Key** Stop And Back To Ready
- **SET Key** Execute Splice
- **X/Y Key** Switch X/y Images

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.

- Clean the electrode tips.
- Use only 99% or better purity of alcohol.

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.

Loosen screw, and remove the electrode cover

Place the electrode cover and tighten screw.

Remove the old electrode

Install new electrode

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.	Press RESET Key, Reload fiber correctly at the bottom of the V-groove.
	The cleave length (bare fiber part) is too short.	Check the cleave length (bare fiber part) on fiber cleaver.
	Dust or dirt is on the fiber surface.	Completely prepare the fiber again.
Fiber is dirty	Dust or dirt is on the objective lens.	Clean the lens and execute the [Dust Check]. Clean the lens if dust or dirt exist.
	[Clean Arc] time is too short a.	Set the [Clean Arc] time to 180ms.
Cleave Angle off normal	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.
	[Cleave Angle Limit] is set too low.	Set the [Cleave Angle Limit] to proper value (Standard 3.0°)
Core Angle off normal	[Core Angle Limit] is set too low.	Set the [Core Angle Limit] to proper value. (Standard 1.0°)
	Dust or dirt is on V-groove or Clamp.	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.
  - When splicing different types of fibers, "Auto Mode" is recommended, but splice speed is slow.
- **Confirm splice and heater mode**
- **Clean coating or sheath of fiber**
- **Place protective sleeve over fiber**
  - Make sure the stripped fiber is free of coating debris or contamination.
  - Use only 99% or better purity alcohol.
- **Strip fiber**
- **Clean fiber**
- **Cleave fiber**
  - Do not allow the cleaved fiber ends to touch anything or become contaminated.
- **Load fiber onto fiber holder**
- **Splicing start automatically**
- **Visual Inspection on LCD during splice**
- **Remove spliced fiber**
- **Centering protection sleeve in tube heater**
- **Centering spliced point in tube heater**
- **Heating start automatically**
- **Completed**
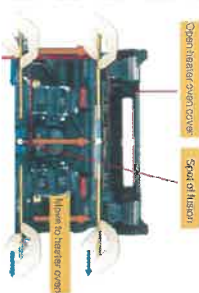
Note

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

Open heater oven cover

Slide of fusion

Move to heater cover

250 μm
5~16mm
1/5"~2/3"

900 μm
5~16mm
1/5"~2/3"

13mm
1/2"

1~3mm
3/64"~1/8"