

# KL-86H Fiber Fusion Splicer

## Features:

- ◆ PAS image digital processing system, core to core alignment;
- ◆ Apply to bare fibers, skin line cables, jumper cables, etc.;
- ◆ Various display group, max magnification up to 300;
- ◆ 8 seconds typical splicing and 28 seconds heating time;
- ◆ Metro style GUI, easy operation;
- ◆ High definition 5.7" colorful LCD;
- ◆ Rubber armor protects machine from shock or impact;
- ◆ Up to 4000 groups of records can be stored;
- ◆ Arc calibrated by temperature and pressure parameters;
- ◆ High capacity and pluggable battery, long work time;
- ◆ USB port for software upgraded



## Multi-function fixture design



## Various single fiber fusion

Skin line cables



Tail fibers



Skin line cable and tail fiber



# KL-86H Multi-function Fusion Splicer

## Specifications

Applicable fiber	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Cladding diameter	80 -150μm
Coating diameter	160 - 900μm
Typical splice loss	SM 0.02dB, MM 0.01dB, DS 0.04Db, NZDS 0.04dB
Return loss	<60dB
Cleaved length	10 ~ 16mm ( Diameter of coating < 250μm ) ; 16mm ( Diameter of coating 250 ~ 1000μm )
Splicing program	40 groups
Operate mode	Manual, Automatic
Auto-Heat	Available
Typical splicing time	8 seconds
Heating time	26 seconds for 60mm, 40mm shrinkable sleeve
Magnification	300 times for single display, 150 times for double display
Photoelectric system	Two high sensitive cameras, 5.7' 640×480 colorful LCD
Splicing data record	Storing up to 4000 groups of records
Loss evaluation	Available
Tension test	1.8~2.2N
Interface	GUI menu interface, easy operation
Battery capacity	8800mAh, 250 times fusion and heating, pluggable, real-time power monitor
Power supply	Adaptor, input: AC 100-240V ( 50/60HZ ) , output: DC 11~13.5V
Electric pole lifetime	More than 4000 times fusion, pole can be replaced conveniently
External port	USB2.0 port, used to derive splicing record data, software upgrade
Operate environment	Altitude: 0 ~ 5000m; Relative humidity: 0~95%; Temperature: -10°C ~ +50°C; Wind speed: max 15m/s
Volume/Weight	160mm(L)×150mm(W)×145mm(H) / 2.75kg (including battery)

## Standard configuration

No.	Name	Model	Qty
1	Main machine	KL-86H	1
2	Fiber cleaver	X-50/52	1
3	Electrodes	X-12	1 pair
4	Fiber stripper	X-08	1
5	Skin line stripper	X-16	1
6	Cooling holder	X-10	1
7	Adaptor	X-20	1
8	Power cord	X-22	1
9	Carrying case	X-01	1
10	Strap	X-03	1
11	Keys	X-05	1
12	Manual(CD)	X-04	1

