AV6471A FTTH OPTICAL FIBER FUSION SPLICER

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Summary

AV6471A is an optical fiber splicing device with a brand new design for FTTH. Lightweight and compact makes it is easy to use even in confined space. The novel fiber imaging system makes the image clearer. The real-time embeded Operating System provides a friendly man-machine interface and abundant functions. The built-in large capacity Li-Ion battery can support long-time field work. The real-time compensation system for temperature, humidity and air pressure has greatly enhanced the device against unfavorable environment changes and thus guarantees its consistency of low loss splicing in various environments.
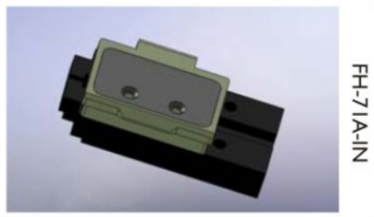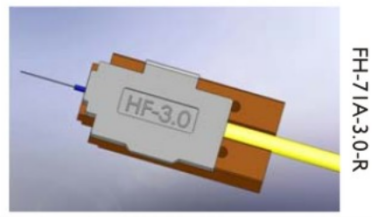
Main Features:

- Not only use for FTTH,but also use for general project of optical fiber splicing;
- Precise optical fiber core alignment, guarantee low loss splicing;
- Small in size, lightweight: only 2.8kg with battery;
- Takes only 8 seconds for splicing,30 seconds for pyrocondensation;
- Simultaneous display of X/Y axis; zoom in up to 304 times original size;
- Can set automatic start of splicing or of pyrocondensation upon close of the cover;
- Real time discharging for adjustment; no need for further adjustment;
- Electrode has a long life; discharging times up to 4000;
- With USB and VGA ports;
- 5.7 inch digital high resolution LCD;
- Built-in high capacity battery, which enables up to 220 times of splicing and heating;
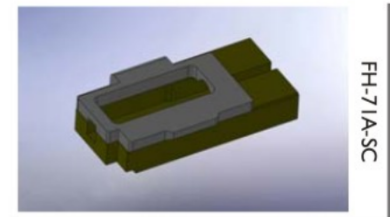- Precise real-time display of remaining battery capacity;

Special Holder:

The AV6471A FTTH Optical Fiber Fusion splicing is improve on the foundation of AV6471 and it's suitable for FTTH environment.It includes all the functions of AV6471 and can splicing for common optical fiber,optical fiber cable,SC connector...ect. The function of the fixture is shown in the pictures.
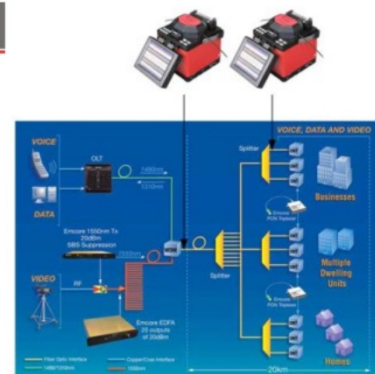
FH-71A-IN

FH-71A-3.0-R

HF-3.0

FH-71A-SC

Typical Application:

The people of CECT41 have designed the first Optical Fiber Fusion Splicer in China,and have experience of designing and using the Optical Fiber Fusion Splicer longer than 20 years,they are familiar with low loss splicing.AV6471A FTTH Optical Fiber Fusion Splicer is compact and easy to use,the priniple of the design for AV6471A is according to human body engineering,and it is easy to use for optical fiber splicing even if the length of optical fiber is only a few centimetres.

AV6471A Optical Fiber Fusion Splicer is mainly applied in FTTH,and also use in fiber cable construction, fiber line maintenance, emergency repair of fiber cable and tests and production of optical fiber components.

Typical application for AV6471A FTTH Fiber Splicer

Technical Parameter:

Main Technical Parameter	
Applicable Fiber	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF
Average Splicing Loss	0.02dB(SM),0.01dB(MM),0.04dB(DS),0.04dB(NZDS)
Average Splicing Loss	<-60dB
Operation Mode	Auto,Half auto,Manual
Align Mode	Advanced PAS align mode.
Fiber Diameter	optical fiber cable,SC/ST connector, coating diameter 250 and 900μm of the common optical fiber
Cleave Length	8~16mm
Magnification	Vertical 152times,horizontal 304times.
Image Display	5.7' 640*480 LCD.
Pull Test	Standard 2N(optional).
Pyrocondensation Tube	40mm,60mm and a series of micro Heat-Shrinkable Tubing.
Battery Capacity	Typically splice 220 times, charging for 3.5 hour(available when charge).
Battery Lifetime	Cycle life up to 300~500 times, replaceable.
Electrode Lifetime	>4000 times, replaceable
Lighting	Built-in super High-brightness LED supply convenient for night work
Construction	
Ports	USB,VGA
Power Supply	Built in 11.1V Lithium Ion Battery.AC adopter(input AC100~240,output DC13.5V/4.5A)
Environment Adaptation	Temperaturerange:-10℃~æ℃æHumidity:95%RH(40℃æ;Altitude:0~5000m
Size	L×W×H = 160×150×140(mm)
Weight	2.3kg(no battery), 2.8kg (including battery)

Standard equipment:

Key	Description	QTY	Key	Description	QTY
1	AV6471A Fiber Splicer	1	7	Standby electrode	1
2	Fiber holderFH-71A-IN	2	8	Blower brush	1
3	Fiber holderFH-71A-250	2	9	Bottle with siphon	1
4	Fiber holderFH-71A-3.0-R	1	10	Fiber bracket	1
5	AC power adapter	1	11	User's manual and disc	1
6	AC current cable	1	12	Luxury tote kit	1

Optional equipment:

Key	Description	Remark	Key	Description	Remark
1	Fiber Cleaver	Av33012	4	SC connector holder	FH-71A-SC-R
2	Fiber Stripper	CFS-2	5	Pyrogenation Packing	HC-71-1
3	Cable Stripper		6	Li-Ion battery	11.1/10AH

Standard Configuration

| Splicer | Cleaver | Stripper | Standby electrode | Alchohol pump | Air bag | Power line | Adoper | Cooling tray | Holder for pigtail | Holder for drop cable | Drop cable stripper |