

Name: FTTH Optical  
Fusion Splicer

Wisdom from  
Germany

Model: ALK-88



# SPECIFICATION

Model Number	ALK-88
Applicable Optical Fiber Types	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655), EDF,BIF/UBIF
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding Diameter: 90-150 $\mu$ m, Coating diameter: 200 ~ 1000 $\mu$ m
Fusion splice Model	Prestore: 40 groups, User define: 80 groups
Average Fusion Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS)
Return Loss	Better than 60dB
Fusion splice Duration Time	9sec(Typical Mode), 7Sec(Fast Mode)
Loss Estimation of Fusion Splice	Exist
Tension Test	$\geq 2N$ ( Optional)
Display	4.3 inches colorized LCD, optional Language.
Optical Fiber Magnification Times	X/Y: 180 times, X or Y: 350 times
Power Supply	11.1V Lithium battery, 13.5V/5A power adapter
Battery	Typically work 200 cycles ( Splicing / Heating), Full charge 3Hours, Recharge Cycle: 500 times, 5200mA Li-battery
Splicing result Storage	10000 Records
Data Interface	USB2.0
Operating Environment	Elevation: 0~5000m, Relative humidity: 0~95%, Temperature: -20 $^{\circ}$ C~55 $^{\circ}$ C , Maximum wind speed: 15m/s
Storage Environment	Relative humidity: 0~95%, Temperature: -40 $^{\circ}$ C~80 $^{\circ}$ C (Except Battery), Temperature: -10 $^{\circ}$ C~40 $^{\circ}$ C (Battery)
Weight	1.6kg(without battery), 1.89kg(with battery)
Corrosion Resistance	Equipment components, Parts and materials meet composite anti-corrosion requirements, Anti-fluid pollution
Size	166D $\times$ 140W $\times$ 130H(mm)
Working aloft	Optional Side hook Strap, you can hang the machine directly on the operator's neck by the strap
Alignment	Core alignment, Cladding alignment, Fine Alignment
Applicable Optical Fiber Cable Diameter	2mm, 3mm, 4mm, 6mm
Applicable Sleeve Length	60mm, 45mm, 40mm(FP-03)
Heating time	Fusion-Protection Sleeves 14s Fast heating (customizable)
Heating temperature	Below 240 $^{\circ}$ C(customizable)
Automatic Heating	Automatic fiber identification & Heating when close cover

## PRODUCT ADVANTAGE

- Automatic Fast Splicing
- 14s V-groove Fast Heating
- High Quality, Low Loss
- Typical Splicing Loss SM $\leq$ 0.02dB, MM $\leq$ 0.01dB
- 4 Motors, Super Precision 0.1 $\mu$ m
- Water, Dust, Wind Resistance, High Altitude
- Titanium Alloy Body, 5 Directions Anti-shock
- PC software upgrade / data management



# CONFIGURATION LIST

Serial number	name	Configuration
1	ALK-88 Optical Fiber Fusion Splicer	●
2	Fiber Cleaver	●
3	Power Adapter	●
4	AC Power Cord	●
5	Electrode	●
6	Cooling Tray	●
7	Three-hole Miller Stripper	●
8	Rubber-insulated Fiber Stripper	●
9	Multi-function Fixture	●
10	Carrying Case	●
11	Dust-Blowing Ball with brush	●
12	Plastic Tweezers	●
13	Instruction Manual	●
14	Alcohol Bottle	●
15	FC.LC.SC Fixture (Optional)	○
16	Car Charger(Optional)	○
17	Aerial Working Platform(Optional)	○

weight 6.25kg/Package size:420 \* 320 \* 240mm

