



**Kimtech**

COMMUNICATIONS



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# **KIM-A4 German Standard**

## **Optical Fiber Fusion Splicer**

### **Fast:**

- 9s Splicing
- 18s V-groove Heating

### **Great performance:**

- Optical Fiber Magnification Times:X/Y:200times,X or Y:400 times
- Average using Splice Loss SM $\leq$ 0.03dB, MM $\leq$ 0.02dB
- 5200mAh Lithium battery, work more than 230 times
- 5 inch color screen resistance of high strength impact

### **High Reliability:**

- Strengthen shockproof,Water, Dust, Wind Resistance
- Low power consumption design with long time work
- One year warranty, lifelong time repair service

**Specification:**

Applicable Fiber Types	Optical SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS(Non zero dispersion shift)
Applicable Fiber Core Number	Optical Single core
Applicable Fiber Diameter	Optical Cladding diameter: 80-150μm, Coating diameter: 100~1000μm
Fusion Splice Model	Prestore:40 groups, User define: 80 groups
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS), 0.04dB(NZDS), 0.04db(BIF/UBIF)
Echo Loss	Better than 60dB
Splicing Time	9sec
Loss Estimation	Exist
Tension Test	2N
Monitor	5 inches colorized LCD, Support in both Chinese and English, Spanish, Russian, French, Portuguese and other display
Magnification Times	X/Y:200times, X or Y:400 times
Power Supply	5200mAh Lithium battery, 13.5V/5A power adapter
Battery	Typically work more than 230 times(Fusion splicing/Heating/Hot stripping), Single battery charge 3Hour, can be recycled 500 times
Splice Results Storage	10000 groups of the latest records
Data Interface	USB2.0
Operating Environment	Elevation:0~5000m, Relative humidity:0~95%,Temperature:-20°C~55°C, Maximum wind speed:15m/s
Storage Environment	Relative humidity:0~95%, Temperature:-40°C~80°C (Except Battery), Temperature:-10°C~40°C (Battery)
Weight	1.56kg(Without Battery), 1.81kg(With Battery)
Dimension	158D×138W×138H(mm)
High altitude operation	Cornering, machines can be directly hung on the operators neck normal operation
Environment monitor	Prompt automatically user to do calibration and arc correction when monitoring change of temperature, humidity and altitude
More fixture options	Rubber-insulated fiber, bare fiber, round fiber and butterfly fiber can use both single and multi-function fixture
Safety protection	Electric system protection scheme: lithium battery is proof of fire, explosion and high temperature; circuit board is proof of over current and over voltage
Quality record	Fiber angle, perpendicularity and the angle between two fibers can be checked in the splicing record
Enforce Splicing	Enforce Splicing is available for user's need
Lighting in the night	Two LED white light
ARC Correction	Manual button/Automatically correction, two options available
Splicing Picture	Storage 10 pieces pictures