

NK80S

Intelligent Cloud series

Fiber Fusion Splicer



Cloud platform

2s

Quick start up

7s

Rapid fusion

19s

High efficient heat

300

High definition amplification



Novker cloud
Cloud synchronization



Patent Fixture
Grip more firmly



Import ceramic core
heating furnace



7s
Rapid fusion

NovKer®

NK80S Intelligent Cloud series

NovKer--- Quality assurance promises, technology to create future



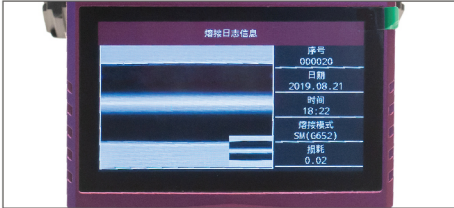
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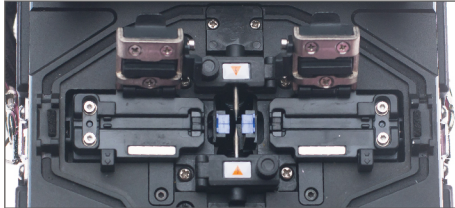
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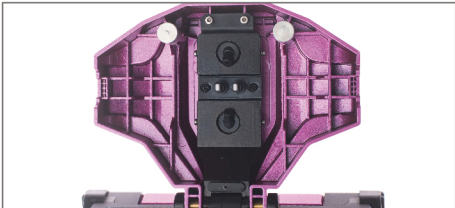
NK-80S is the first full function high precision optical fiber fusion splicer with Intelligent cloud platform. It is self developed by Novker, It adapted high performance industrial level Quad core CPU+FPGA Structure, implemented new high definition digital high light sensitivity COMS import component, and high precision linear guider import motor. It enjoyed advantages such as small size, light weight, fast speed, low loss, and greatly improves the environmental applicability.

PAS Digital dual-axis synchronous core alignment




Patent Fixture Convenient and fast







Design of Reflectorless Mirror Stable and efficient

19S heating Induction Recognition Automatic Heating






2 Seconds switch on and off
7 Seconds fusion
19 Seconds Heating
Globally creation patent fixture
Grip firmly and convenient
Dual mode charging
Three mode power supply



No reflect mirror design
300 Times HD digital amplification
PAS Digital two-axis synchronized core-to core
Imported high precision linear guide-way



Quick power on self test
6500 Mah imported large capacity
Induction recognition, automatic heating
Altitude: 0-5000m
Six directional and all dimensional anti-drop
Dust proof and Raindrop proof

Technical specifications and ordering information

NK80S Intelligent Cloud series	
Applicable optical fiber	SMF(G.652)、MMF(G.651)、DSF(G.653)、NZDSF(G.655)、BIF(G.657)
Fiber count	Single
Real average loss	0.02dB(SMF)、0.01dB(MMF)、0.04dB(DSF)、0.04dB(NZDSF)、0.02dB(BIF)
Return wave loss	≥60dB
Tension test	2.0N (200gf) (Standard)
Fiber core material	Quartz Optical Fiber
Fiber outer diameter	Cladding diameter: 80 ~ 150um/Coating diameter: 100um ~ 3mm
Fiber Cleaved length	8 ~ 16mm
Lighting	Support
Loss evaluation	Support
Fusion time	7s
Heating time	19s
Amplification times	Display: X, Y; X/Y. amplification 300 times
Fiber facing way	Fiber core, cladding, automatic,
Electrode life	Discharge 5000 times
Heat shrinking sleeve	20-60mm Optical fibre heat shrinkable tubes with other special specifications
Fusion programs	6 factory presets and 74 user-defined programs
Heating program	6 Factory preset programs, 14 user defined programs
Auto heating	support
Data storage	8000 logs, 200 images
Language	Chinese, English, Korean, Russian, Spanish, Portuguese, German, French and other multinational languages
Operating environment	Temperature: -25 ~ +50°C Humidity: 0 ~ 95%RH (No dew): Altitude: 0 ~ 5000m; Wind speed: Maximum 15 m/s
Storage environment	Temperature: -40 ~ +80°C Humidity: 0 ~ 95%RH (No dew)
Power supply	AC Adapter: AC input voltage 85-260V Battery: Voltage 12V, capacity 6.5Ah
Number of battery used	280 times fusion/heating
Data management	Upload logs and screen shots with computer software
Display	4.3 Inch LCD Coloful display
Dimension/Weight	152 (D) × 142 (W) × 145 (H) mm/1.98kg/1.57kg(Battery excluded)