FSM-9902+ Optical Fiber Fusion Splicer
Core Alignment

Steering Technologies

HongYu Telecom Tech
Gateway of doing BUSINESS!

Brand : **HYTT**
Product Code: **HYTT-FSM-9902+**

HYYT has been a leading Hi-Tech specialized company in R&D, Manufacturing, Production, Sales and Support of Products & Equipment in Fiber Optic engineering instrument All Active & Passive Products product's like Fusion Splicers, Cleavers, Optical Time Domain Reflectometer (OTDR), Fiber Cables, Patch Cords, FTTH Closure/Box, Optical Power Meter, PON-Optical Power Meter, Light Source, Visual Laser Light Source, Optical Multi-Meter, Optical Fiber Identifier, Cable Fault Locator, desktop instrument products like Optical Power Meter, Multi-Channel Integrated Tester, several Stable Light Source, Insert Loss Tester, Light Source, Optical Passive Components like Coupler, Adapter, Connector, Attenuator, fiber optic cable cleaning, construction and repairing tool products like fiber optic strippers, rubber-insulated pliers, electrodes, cleaver blades, red light source and many more.

3s Power On   **7s Splicing**   **9s Heating**

Salient Features:

- Automatic 7s Fast Splicing
- 9s V-groove Fast Heating
- 6 Motors, Super Precision 0.1μm
- PAS Fiber Core to Core Alignment Technology
- Super Precision 0.1μm
- 4.3" High Resolution LCD Display
- 3s Power On
- High Quality, Low Loss, Light Weight
- Typical Splicing Loss SM≤0.02dB, MM≤0.01dB
- Water Resistance, Dust Proof, Shock Proof
- Bright Low-Power LED Lights, ensure Normal Splicing at Low Light Conditions
- Wind & Water Resistance, High Altitude & Harsh Weather Conditions
- Titanium Alloy Body, has rubber protection, Quake Proof
- 5 Directions Anti-shock, Connection Points reinforced with Gel
- German Splicing Technology
- PC Software Upgrade / Data Management
- Multi-Language Supported: Chinese, English, Russian, Portuguese, French, Spanish, Italian, Polish, Thai
- Long Lifetime: 260 times splicing and heating 6800mAh Detachable Battery
- Fiber Cleaver has 16 blade, each blade cutting 3,000 times
- Fiber Core to Core Fine Alignment, Ultra-low Loss, Trunk Engineering

"Our motto is to satisfy our customers with Product, Quality, Technologies, Services and Price too"

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Technical Specifications:

Equipment Parameters	
Model	FSM-9902+
Applicable Optical Fiber Types	SM(Single mode), MM(Multi-mode), DS(Dispersion shift), NZDS(Non zero dispersion shift)
Applicable Optical Fiber Core Number	Single core
Applicable Optical Fiber Diameter	Cladding diameter: 80-150µm, Coating diameter: 100 ~ 1000µm
Fusion Splice Mode	Prestore:40 Groups, User define: 80 Groups
Average Fusion Splice Loss	0.02dB(SM) 0.01dB(MM) 0.04dB(DS) 0.04dB(NZDS)0.04db(BIF/UBIF)
Motors & Alignment	06 Motors / Core to Core Alignment, Fine Alignment
Return/Echo Loss	Better than 60dB
Fusion Splice Duration Time	9sec(Typical Mode), 7Sec(Fast Mode)
Loss Estimation of Fusion Splice	Exist
Tension Test	2N
Display	4.3" Inches High Resolution Color LCD
Optical Fiber Magnification Times	X/Y:180times, X or Y:350 times
Power Supply	11.1V Lithium Battery, 13.5V/5A Power Adapter
Battery	Typically Work 260 Cycles (Splicing / Heating), Full charge 3Hours, Recharge Cycle: 500 Times, 6800mA Li-Battery
Storage	10000 Records
Data Interface	USB 2.0
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)
High Altitude Operation	Cornering, machines can be directly hung on the operators neck normal operation
Weight	1.53kg (without Battery), 1.93kg (with Battery)
Size	166L×142W×139H(mm)
Applicable Sleeve Length	60mm, 45mm, 40mm(FP-03)
Heating Time	Cover and Automatic Heating, V-shaped 9S Rapid Thermal Shrinkage (customizable)
Heating Temperature	180~300°C (customizable)
Applicable Optical Fiber Cable Diameter	250µm, 900µm, 2~3mm

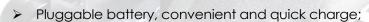➢ Based on the principle of PAS(Lateral Projection System), adopting advanced image detection algorithm;

➢ Double core align structure, higher success rate of fusion and lower loss;

➢ Reliability design strengthens shockproof, dust-proof and other functions;

➢ Low power consumption design makes it possible to work long time with many functions operating at the same time;

➢ Multi-functional, small-sized, portable, greatly improving working efficiency;

➢ Capable to detect air pressure, temperature and humidity and other environmental factors and automatically calibrate arc.

➢ Pluggable battery, convenient and quick charge;

➢ The straps can be used for aerial work.

Standard Configuration:

Product Description	Quantity
FSM-9902+ Optical Fiber Fusion Splicer	01Unit
FC-99 Optical Fiber Cleaver	01Unit
FTTH Drop Cable Stripper	01Unit
Alcohol Bottle	01Unit
Tri-Hole Stripper	01Unit
Power Adapter	01Unit
Power Cord	01Unit
Electrode (Additional)	01Pair
Cleaver Box	01Unit
Dust-Blowing Pump	01Unit
Plastic Tweezer	01Unit
Cooling Tray	01Unit
Operating Manual	01Unit
Carrying Case	01Unit

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