

HYTT-9901 Optical Fiber Fusion Splicer

FTTx Active Cladding Alignment

Steering Technologies



Brand : HYTT
Product Code: HYTT-FSM-9901

HYTT 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



14s Heating

Salient Features:

- Automatic 7s Fast Splicing
- 14s V-groove Fast Heating
- 4 Motors, Super Precision 0.1μm
- 4.3" LCD Display
- 3s Power On
- High Quality, Low Loss, Light Weight
- Typical Splicing Loss SM≤0.02dB, MM≤0.01dB
- Water Resistance
- Dust Proof
- Wind Resistance, High Altitude & Harsh Weather Conditions
- Titanium Alloy Body
- 5 Directions Anti-shock
- German Splicing Technology
- PC Software Upgrade / Data Management
- Multi-Language Supported: Chinese, English, Russian, Portuguese, French, Spanish, Italian, Polish, Thai
- Long Lifetime: 200 - 260 times splicing and heating, 5200mAh Built-in Battery
- Fiber Cleaver has 16 blade, each blade cutting 3,000 times
- Fiber Core, Cladding, Fine Alignment, Ultra-low Loss

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



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Technical Specifications:

Equipment Parameters	
Model	HYTT-9901
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: 90-150µm, Coating Diameter: 200 ~ 1000µm
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), 0.04db(BIF/UBIF)
Alignment	Core alignment, Cladding alignment, Fine Alignment
Return 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 Color LCD
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, 5200mAh 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)
Electrode Life	4000 Splices
Weight	1.53kg (without Battery), 1.93kg (with Battery)
Size	166Lx142Wx139H(mm)
Corrosion Resistance	Equipment components, Parts and materials meet composite anti-corrosion requirements, Anti-fluid pollution
Environmental Monitoring	Automatic prompt of doing Detect system parameters and Arc Calibration when Temperature and humidity changes
Working aloft	Optional Side hook Strap, you can hang the machine directly on the operator's neck by the strap
Optional Fixtures	0.9, 250, 3.0 separately Holders
Power System Protection Program	Lithium Battery: Fire Protection; Explosion Protection High Temperature Protection, Circuit Board: Over-Current and Over-Voltage Protection
Quality Records	Show the perpendicularity of Fiber and the angle between Two Optical Fibers
Force to Fuse Function	Force to Fuse according to Customer's requirement
Night Work	One LED White Light

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ARC Calibration	Automatic / Semi-automatic (optional)
Red Light Fusion	Can Fuse under Red Light
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°C(customizable)
Heating Method	Automatic / Manual Control (optional)
Falling Test	Passed 1m Falling Test
Environment Friendly	Low-Power Standby, Automatic Screen Saver
Intelligent Heater	Heater Temperature Adaptive Control Function
Heater Protection	Perfect Software Protection, Dual CPU Control, Special Fireproof Material

Standard Configuration:

Product Description	Quantity
HYTT-9901 Optical Fiber Fusion Splicer	01Unit
HYTT-FOC-99	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

Package Weight 6.3kg, 420 * 320 * 240mm

Net Weight: 1.4kg Carrying Case: 360 * 270 * 190mm

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