Fusion Splicer Aitelong

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Variants

SAT-17T

Details

SAT-17T Optical Fusion Splicer

Technical Specifications

Parameter	Specification
Model	SAT-17T Optical Fusion Splicer
Average Loss	0.02 dB (SM), 0.01 dB (MM), 0.04 dB (DS), 0.04 dB (NZDS), 0.02 dB (BIF / UBIF)
Typical Splicing Time	9s / 7s (Fast Mode)
Fiber Alignment	Core Alignment and Cladding Alignment
Magnification	X or Y: 360× / X + Y: 180×
Tensile Test	Standard 2N
Splicing Mode	100 Modes (10 Factory Pre-defined)
Heating Mode	100 Modes (4 Factory Pre-defined)
Heater Function	Automatic, user-defined heating mode, 0°C to 300°C adjustable

Heat-Shrinkable Tubing	60 mm, 45 mm, 20 mm and other types
Return Loss	Better than 60 dB

Fiber Compatibility

Parameter	Specification
Applicable Fibers	SM, MM, DS, NZDS, BIF / UBIF
Compatible Cable	250μm, 600μm, 900μm, 2–3 mm and 3.5 mm
Fiber Diameter	Cladding: 80–150μm / Coating: 100–1000μm

Power & Battery

Parameter	Specification
Battery Capacity	7800 mAh, 86.58 Wh
Battery Performance	Approx. 300 times splicing and heating
Charging Time	About 3 hours, can be used while charging
Battery Life	1000 charging cycles
Built-in Battery	Lithium Battery, 11.1V
Power Adapter Input	AC 100–240V
Power Adapter Output	DC 13.5V / 5.0A

Display, Storage & Interface

Parameter	Specification
Image Display	High-performance 4.3-inch LCD

Result Record	Maximum 10,000 results
External Interface	Mini USB
Electrode Life	Typical 3,000 times, replaceable

Physical & Working Environment

Parameter	Specification
Dimensions	142 × 165 × 158 mm (L × W × H)
Weight	1.6 kg without battery / 2.0 kg with battery
Working Temperature	-20°C to +55°C
Working Humidity	Up to 95% RH, non-condensing
Altitude	0–5000 m

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