Sendun Fusion Splicer

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Variants

SD-6A SD-9

Details

The **Sendun SD-9** and **Sendun SD-6A** Fusion Splicers are professional optical fiber fusion splicing machines designed for FTTH deployment, ISP maintenance, backbone fiber installation, telecom projects, and data center applications. Featuring high-speed core alignment technology, a 4.3-inch touch screen, integrated Visual Fault Locator (VFL), Optical Power Meter (OPM), automatic ARC calibration, and long-lasting battery performance, these fusion splicers deliver fast, accurate, and reliable fiber splicing in demanding field environments.

With advanced imaging, low splice loss, rapid heating, and support for multiple fiber types, the SD-9 and SD-6A are ideal solutions for professional fiber optic technicians seeking precision and efficiency.

Models
SD-9 / SD-6A
Splicing Time

5 sec

Heating Time

11 sec

Battery

7200mAh

Key Features

? SD-9 Core-to-Core Alignment Technology

? SD-6A Core Alignment Technology

? High-Speed 5 Second Fusion Splicing

? Fast 11 Second Heat Shrink Protection

? 4.3-inch High Resolution Touch Screen

? Built-in Visual Fault Locator (15mW VFL)

? Integrated Optical Power Meter (OPM)

? Automatic ARC Calibration

? Multi-function Removable Fiber Holder

? USB 2.0 PC Communication

? Stores 20,000 Splice Records & 200 Images

? Designed for Professional FTTH & Telecom Applications

Technical Specifications

Parameter	Specification
Models	SD-9 (Core-to-Core Alignment), SD-6A (Core Alignment)
Applicable Fibers	SM (G.652 & G.657), MM (G.651), DS (G.653), NZDS (G.655)
Compatible Fiber / Cable	0.25 – 3.0 mm Indoor Cable
Cladding Diameter	80 – 150 ?m
Cleave Length	8 – 16 mm (0.125 – 1 mm coating)
Splice Modes	41 Preset Modes, 100 User Storable Modes
Typical Splice Loss	SM: 0.02 dB • MM: 0.01 dB • DS: 0.04 dB • NZDS: 0.05 dB • G657: 0.03 dB
Return Loss	? 60 dB
Lighting	Dual High-Power White LEDs
Splicing Time	5 Seconds (FAST Mode)
Estimated Splice Loss	Supported
Protection Sleeve	20 – 60 mm

Parameter	Specification
Heating Modes	20 / 30 / 40 / 50 / 60 mm Preset, 100 User Modes
Heating Time	11 Seconds
Storage Capacity	20,000 Splice Records & 200 Images
Tension Test	2.0 N
Display	4.3-inch Touch Screen LCD
Magnification	380× (X / Y / XY View)
Fiber Holder	Multi-function Removable Clamp
Power Supply	AC 100–240V / DC 12–15V
Battery	7200mAh Lithium Battery (Approx. 320 Splice & Heat Cycles)
Operation	Touch Screen & Physical Buttons
ARC Calibration	Automatic
Electrode Life	Up to 5,000 Arc Discharges
Communication Interface	USB 2.0
Weight	1.75 kg
Dimensions	135.1 × 205.9 × 130.4 mm
Operating Conditions	-15°C to +50°C • 0–95% RH • Wind Speed ?15 m/s
Storage Conditions	-40°C to +80°C • 0–95% RH

Parameter	Specification
Built-in VFL	15mW • Continuous & 2Hz Flashing Mode
Built-in Optical Power Meter	850 / 1300 / 1310 / 1490 / 1550 / 1625nm • -50 to +26 dBm

Applications

FTTH Installation • ISP Maintenance • Telecom Networks • Optical Backbone Projects • Data Centers • Enterprise Networks • Fiber Repair & Maintenance • Utility Fiber Networks • Government & Campus Networks