D-TECH Fusion Splicer SM

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Variants

K45 K95 K60 Air 1

Details

The **D-TECH Fusion Splicer Series** is a professional-grade fiber optic splicing solution designed for FTTH deployment, ISP networks, telecom infrastructure, data centers, CCTV fiber systems, and fiber maintenance projects. Available in **AIR1, K45, K60, and K95** variants, these fusion splicers deliver fast splicing performance, low splice loss, long battery life, and reliable operation in demanding field environments.

Splicing Time	**7 Sec**
Heating Time	**15-18 Sec**
Battery Backup	**400 Cycles**

Electrode Life

5000 Arcs

Technical Specifications

Category	Specification
Variants	AIR1, K45, K60, K95
Supported Fiber Types	SMF (G.652), MMF (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657)
Fiber Diameter	Cladding: 80–150?m, Coating: 100–3000?m
Cleave Length	5–16mm (250?m coating), 10mm (0.25–3mm coating)
Typical Splice Loss	SMF: 0.03dB, MMF: 0.02dB, DSF: 0.05dB, NZDSF: 0.05dB, BIF: 0.03dB
Return Loss	> 60dB
Splicing Time	7 Seconds (Quick Mode), 10 Seconds (Auto Mode)
Heating Time	15–18 Seconds (40mm / 60mm Sleeves)
Battery Capacity	11.1V / 6800mAh Li-ion Battery
Battery Performance	Approx. 400 Splice & Heat Cycles
Fiber Viewing System	Dual CMOS Cameras, 240X (Single Axis), 160X (Dual Axis)
Tension Test	1.96 – 2.25N
Protection Sleeve Support	40mm, 60mm and Other Standard Sleeves

Category	Specification
Operation Mode	Manual / Automatic
Splice Programs	304 Programs (18 Preset + 286 Editable)
Heating Programs	104 Programs (11 Preset + 93 Editable)
Storage Capacity	30,000 Splice Records
Fiber Holder	3-in-1 Holder (250?m, 900?m, 2–3mm Fiber Cable)
Automatic Functions	Arc Calibration, Motor Control, Electrode Management, Self-Test
Display	4.3-inch Touch Screen LCD
Dimensions	120 × 130 × 154 mm
Weight	1.95kg (with battery), 1.65kg (without battery)
Interfaces	USB 2.0, SD Card
Power Supply	DC 10–15V / AC 100–240V
Operating Environment	-20°C to +50°C, 0–95% RH, Up to 6000m Altitude
Electrode Life	5,000 Arc Discharges

Applications: FTTH Installation, ISP Maintenance, Telecom Networks, Fiber Repair, Data Centers, CCTV Fiber Networks, Enterprise Networks, Outdoor Fiber Deployment, and Optical Fiber Infrastructure Projects.