D-TECH Fusion Splicer SM

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Variants

K45 K95 K60 Air 1

Details

PROFESSIONAL FUSION SPLICER SERIES

The is designed for professional optical fiber installation and maintenance. Available in variants, the series provides fast splicing, low splice loss, long battery operation and reliable performance for FTTH, ISP, telecom, CCTV, enterprise and field fiber projects.

View Splicer Models

Professional Optical Fiber Splicing

D-TECH fusion splicers support common single-mode, multimode, dispersion-shifted and bend-insensitive optical fibers. The series is suitable for technicians who require

a compact machine with fast automatic operation, large data storage, touchscreen control and dependable battery performance for field deployment.

Series Highlights

QUICK SPLICE

7 Sec

HEATING TIME

15–18 Sec

BATTERY BACKUP

~400 Cycles

ELECTRODE LIFE

5000 Arcs

D-TECH Fusion Splicer Models

Select a model below to view the individual product and ordering page.

D-TECH FUSION SPLICER

AIR1

Compact professional fusion splicer for FTTH and field fiber installation.

View AIR1 ?

D-TECH FUSION SPLICER

K45

Professional optical fiber splicer for installation, repair and maintenance.

View K45 ?

D-TECH FUSION SPLICER

K60

Reliable field fusion splicer for ISP, telecom and fiber network projects.

View K60 ?

PROFESSIONAL SERIES

K95

Professional D-TECH fusion splicer for demanding fiber installation work.

View K95 ?

Key Features

? Supports SMF, MMF, DSF, NZDSF and BIF

? 7-second quick splicing mode

? 15–18 second sleeve heating

? Approx. 400 splice and heat cycles

? Dual CMOS fiber viewing system

? 30,000 splice record storage

? 3-in-1 fiber holder

? Automatic arc calibration

? Motor control and self-test functions

? 4.3-inch touchscreen LCD

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	5–16 mm (250 ?m coating), 10 mm (0.25–3 mm coating)
Typical Splice Loss	SMF: 0.03 dB, MMF: 0.02 dB, DSF: 0.05 dB, NZDSF: 0.05 dB, BIF: 0.03 dB
Return Loss	> 60 dB
Splicing Time	7 Seconds (Quick Mode), 10 Seconds (Auto Mode)
Heating Time	15–18 Seconds (40 mm / 60 mm Sleeves)

Category	Specification
Battery Capacity	11.1V / 6800mAh Li-ion Battery
Battery Performance	Approx. 400 Splice & Heat Cycles
Fiber Viewing System	Dual CMOS Cameras, 240× (Single Axis), 160× (Dual Axis)
Tension Test	1.96–2.25 N
Protection Sleeve Support	40 mm, 60 mm and Other Standard Sleeves
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, 2–3 mm 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	1.95 kg (with battery), 1.65 kg (without battery)
Interfaces	USB 2.0, SD Card

Category	Specification
Power Supply	DC 10–15V / AC 100–240V
Operating Environment	-20°C to +50°C, 0–95% RH, Up to 6000 m Altitude
Electrode Life	5,000 Arc Discharges

Typical Splice Loss

SMF
0.03 dB

MMF
0.02 dB

DSF
0.05 dB

NZDSF
0.05 dB

BIF
0.03 dB

Applications

FTTH Installation
ISP Maintenance
Telecom Networks
Fiber Repair
Data Centers
CCTV Fiber Networks
Enterprise Networks
Outdoor

Fiber Deployment

D-TECH Fusion Splicer Support

D-TECH provides fusion splicer sales support, technical guidance, spare parts, maintenance, repair service, training and field-use assistance for professional fiber technicians and network engineers.

Choose Your D-TECH Fusion Splicer

Select AIR1, K45, K60 or K95 according to your fiber installation, maintenance and project requirements.

AIR1 | **K45** | **K60** | **K95**

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