Fusion Splicer Fiberfox Mini

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Variants

6S+ 5C+ 4S+ 6SI

Details

The **Fiber Fox Fusion Splicer** is engineered for modern fiber-optic installations — from FTTH and FTTx rollouts to backbone, metro and datacenter splicing. Its advanced automatic core-alignment system accurately centers singlemode and multimode fibers before fusion, producing repeatable, low-loss splices even in challenging field conditions.

Designed for real technicians, Fiber Fox combines a fast splice/heater cycle, intuitive touchscreen UI, rugged compact housing and a battery system that supports long shifts. The splicer includes a large, bright display for clear alignment observation, programmable splice recipes for different fiber types, and a suite of diagnostic tools (loss estimator, splice image storage and arc calibration) that make quality control simple and auditable.

Whether you’re terminating fiber to homes, repairing breaks in the field, or building out enterprise networks, the Fiber Fox balances precision, speed and portability — helping teams finish jobs faster with fewer reworks.

Technical specifications

Alignment method: Automatic core alignment (image-based)

Applicable fibers: SM (ITU-T G.652/G.657), MM (OM1/OM2/OM3/OM4), DS, NZDS, ?? fibers

Average splice loss (typical): 0.02–0.1 dB (singlemode); 0.01–0.03 dB (multimode)

Typical splice time: 7–12 seconds (singlemode, normal mode)

Typical heater time: 15–40 seconds (depends on sleeve)

Tension test: standard tension test available (e.g., 1.96 N/200 g)

Display: 4.3"–5.0" color LCD (high brightness)

Battery: removable Li-ion pack (e.g., 4000–5200 mAh) — supports 200–350 splices per charge (splice + heat)

Electrode life: >2,000 – 5,000 arcs (replaceable)

Storage: internal memory for >10,000 splice records; SD/USB export supported

Operating temperature: typically ?10°C to +50°C (model dependent)

Humidity: up to 95% non-condensing

Dimensions / Weight: compact and lightweight for field portability (model dependent)

Power: AC adapter 100–240V input; DC charge via vehicle adapter (optional)

Certifications: CE, RoHS (model dependent)