D-TECH Fusion Splicer SM

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Variants

K45   Air 1   K60   K95

Details

The **Fusion Splicer SM** is a state-of-the-art fiber optic splicing device designed for precision, efficiency, and durability. Engineered to meet the demands of modern fiber optic installations, it offers advanced features suitable for various applications, from telecommunications to data centers.

Key Features

- **Integrated Multi-Functionality**: Combines stripping, cleaning, cleaving, splicing, and protecting in one unit, streamlining the splicing process.

- **Active Cladding Alignment**: Utilizes IPAAS (Image Pattern Analysis Alignment System) for precise fiber alignment, ensuring low splice loss

- **Fast Splicing and Heating**: Typical splicing time of 7 seconds and heating time of 13 seconds, enhancing productivity on the field

- **High-Resolution Display**: Equipped with a 5-inch color touch LCD, providing clear visuals for fiber positioning and splicing operations

- **Robust Data Storage**: Capable of storing up to 5,000 splice results and images, facilitating easy record-keeping and analysis.

- **Durable and Portable**: Designed to withstand challenging environments with resistance to dust, water, and shocks, all while maintaining a lightweight profile for easy transport.

Technical Specifications

- **Fiber Types:** Single-mode (SM), Multi-mode (MM), Dispersion-shifted (DS), Non-zero dispersion-shifted (NZD)

- **Cladding Diameter**: 125 m

- **Coating Diameter:** 150 ?m to 3 m

- **Splice Loss**: SM: 0.02 B MM: 0.01 B DS/NZDS: 0.04 B

- **Return Loss:** >60 B

- **Splicing Time:** Approximately 7 seconds

- **Heating Time**: Approximately 13 seconds

- **Battery Capacity:** Supports up to 200 splice and heat cycles

- **Electrode Life** Up to 38,000 splices

- **Dimensions:** 132 mm (W) × 212 mm (L) × 73 mm ()

- **Weight**: Approximately 1.5 kg (including batter)

Applications

- Telecommunications: Ideal for deploying and maintaining fiber optic networks in urban and rural settings.

- FTTH Installations: Facilitates efficient fiber-to-the-home deployments, ensuring reliable connections.

- Data Centers: Supports high-density fiber management and splicing tasks within data center environments.u7

- Educational Institutions: Serves as a practical tool for training and research in fiber optic technologies.