

4109 fusion splicer adopt high-speed image processing technology and special precision positioning technology, automatically finish the whole process of fiber fusion in 8 seconds typically, LCD monitor displays all steps of fiber fusion clear at a glance. Widely used for SM and MM Quartz Fiber with diameter 80-150 μ m, coating layer diameter 0.1-1.0mm and bare fiber length 16mm more or less. Ideal tools for construction and maintenance of fiber and cable in both field and laboratory applications. Support Chinese, English.

Features

- * High-resolution true color 5inch LCD display
- * The advanced core to core fiber profile alignment system(PAS)
- * Real time calibrating system ,parameter needn't be adjusted
- * X/Y axes were displayed meanwhile, Magnification up to 300 times
- * 8 seconds splicing time, 30 seconds Heat-Shrinking
- * Battery capacity was display in real time, precisely
- * Built-in high capacity battery, support 300 times splicing and heating, to meet one days' work
- * Long Electrode Lifetime, up to 3000 times
- * The new wind-cover design, enhance the ability to prevent the dust & wind, Max. wind velocity of 15m/s
- * Three Splicing modes: auto, half-auto, manual
- * Built-in super high-brightness LED supply convenience for night work
- * Auto calculate splicing loss
- * 8000 results Storage
- * USB data interface
- * One button operation to finish results download or software update
- * Close shield splice automatically, Close heater lid heat automatically



Technical Specifications

Optical Specifications	4109
Fiber Types	Single mode (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T G.653), non-zero dispersion shifted (ITU-T G.655)
Average Splicing Loss	0.02dB with G.652, 0.01dB with G.651 and 0.04dB with G.653 and G.655
Splicing & Heating Time	Typical splicing time:8s, Typical heating time:30s
Return Loss	60dB or greater
Fiber Coating	100 μ m to 1000 μ m
Fiber Cladding	80 μ m to 150 μ m
Fiber Cleave Length	8~16mm(coating diameter<250 μ m), 16mm (coating diameter 250~1000 μ m)
Program	10 units factory setting SM program, 10 units factory setting MM program, and 30 units user setting SM program,30 units user setting MM program
Align Mode	Advanced profile alignment system(PAS)
Storage	8000 results
Data Transmission	USB port
Heater	Auto Heat Mode, the typical heating time is 30 seconds
Heat-Shrinkable Tube	40mm, 60mm and a series of micro Heat-Shrinkable Tubing
Lighting for Construction	Built-in super High-brightness LED supply convenience for night work
Magnifications	Vertical 152times, horizontal 304times