p.n. OPAA00013

Fusion Splicer 5" Touch Screen - FST-83A

Digital Core Alignment Fusion Splicer

- ✔ FTTx Active V-groove Fusion Splicer
- ✔ DACAS-Digital Analysis Core Alignment Systems
- ✔ 5" high resolution color LCD touch screen, 500X magnification, visible clearly with bare eyes
- ✔ Packed with detachable 5200mAh battery, more than 250 times of splicing and heating
- ✔ Auto-splicing mode, using friendly design
- ✔ German CNC technique and integrated fiber-adjust frame, which make performance much stable
- ✔ 3 high-power white LEDs and illuminated keypads simplifies your work at night
- ✔ Detachable multifunction fixture, suitable for various fiber type
- ✔ Dust-proof, water-proof, high-temperature resistance. adapting to various altitude and harsh environment
- ✔ Optical imaging system ranks No. 1 in the world
- ✔ Built-in Japanese components and Korean chipset

Integrated fiber-adjust frame	5" touch screen	Detachable multifunction fixture	Fiber endface melter & fusion splicer 2 in 1

Economic Functional Convenient Reliable

Combining domestic with foreign technologies, Tumtec has been dedicated to providing professional optical fiber solution and become the renowned fusion splicer & fiber cleaver manufacturer for 15 years.

Standard Accessories

Fusion splicer FST-83A*1
Fiber cleaver*1
Battery*1
Power adapter*1
AC power line*1
Back-up electrode*1
Cooling tray*1
Carrying case*1
Carrying strap*1
User manual*1
Splicing test report*1
Fiber stripper*1
Drop cable stripper*1
Alcohol bottle*1

Equipment Parameters

Model	FST-83A
Dimension	136W*160L*148H (excluding rubber bumper)/ 140W*165L*148H (including rubber bumper)
Weight	2280G (with battery)/ 1900G (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652& G.657)/MM(ITU-T G.651)/DS(ITU-T G.653)/NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3 0mm/Indoor Cable
Cleaved Length	Diameter: 0.125 - 1 mm/Cleave Length: 8-16mm
Cladding Diameter	80 - 150μm
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM 0.02dB /MM 0.01 dB/ DS: 0.04dB / NZDS 0.04 dB/ G.657 0.02dB (ITU-T Standard)
Return Loss	≥60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13s, typical heating time: 30s
Results Storage	20000 latest records & 200 images
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000m above sea level, 0 - 95% relative humidity, - 10 - 50 °C, Max Wind 15m/s
Storage Condition	0 - 95% relative humidity, -40 - 80˚C
Display	90˚ bi-directional view, 5.0" Colar High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y 500X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
No. of Splice/Heating with Battery	5200mAh Battery Capacity, Typical 250 times {Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0