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FiTeL S177A Specs
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FITEL® FUSION SPLICERS

ofs
A Furukawa Company

S177A SERIES Hand-Held Core-Alignment Fusion Splicer



The hand-held FITEL S177A incorporates an improved heating design that cuts splice-to-heat time by 40 percent. The unit's T-shaped body design is also 40 percent lighter, weighing only 4.85 pounds including battery. Ideal for fast field use with superb battery life. In addition, fiber magnification power is 608X, marking the industry's most powerful rating for a core alignment splicer.

RoHS

Key Features

- Most compact, light-weight core-alignment splicer in the industry
- New graphical user interface (GUI) to enhance ease-of-use
- Transreflective LCD allows clear view even in direct sunlight
- Best-in-industry fiber magnification – 680X
- Built-in battery automatically charges when plugged into AC – even when splicing
- RoHS and Telcordia (GR-765-CORE) compliant





SPECIFICATIONS:

Splicing Method	Core-Alignment
Applicable Single Fiber	SMF, MMF, DSF, NZDSF, EDF
Average Insertion Loss	SMF: 0.02 dB, MMF: 0.01 dB, DSF: 0.04 dB, NZDSF: 0.03 dB
Splice Time	9 sec
Heat Time	37 sec (40 mm), 51 sec (60 mm)
Splice/Heat Programs	150 available / 12 available
Cleave Lenght	5-16 mm (250 μm), 10 or 16 mm (900 μm)
Dimension/Weight	130W×260D×137H mm / 2.20 kg (4.85 lbs) [weight including battery]
Splice Memory	2000 splices
Operating Enviroment	0 ~ 4,000 m, -10 to +50° C and 90% at 38° C
Data Output	USB 1.1
Battery Life	Internal - 70 splice / heat cycles
Power	AC Input : 85 to 264 V (50 / 60 Hz), DC Input : 11 to 17 V, Battery : Li-ion

STANDARD PACKAGE:

P/N	Description
S177-X-A-0001	Splicer Body
S177-X-S-0002	Spare Electrodes
S177-X-A-0003	Carrying Case
S943	Internal Battery
S957	AC Adapter
D5111	Electrode Cleaning Disk
S177-X-S-0004	Manual

Seamless Splicing from Trunk to FTTX



The FITEL S177A ushers in a whole new range of applications for core-alignment splicing: It delivers the same precision, accuracy, and automated functionality of a conventional core-alignment unit, but with the speed, portability, and covenience of a hand-held splicer. The S177A becomes your versatile best choice for FTTX, LAN, backbone, or long-haul installations.



Compact, Lightweight Body

At nearly half the weight and size of FITEL's standard core-alignment unit, the S177A weight only 2.2 kgs (4.85 pounds) – making it the first hand-held and most compact, lightweight core-aligning splicer in the industry. The T-shaped body desigh, measuring just 5 inches across, easily accommodates short fiber lengths. The magnesium alloy canopy and top base provide the rugged strength required for field operations. Highly accurate, it easily handles diverse applications-from trunk splicing to FTTX.



New GUI & LCD Screen

Featuring a new GUI (graphical user interface) and transreflective LCD screen technology, the S177A operation is a snap! Function keys are simple and information displays are crisp and clear even in direct sunlight. The LCD display shows the splicing process with simultaneous X and Y views, Fiber magnification is the highest available in the industry – 608X, and over 200 percent stronger then FITEL's previous model, the S176.

OPTIONAL ACCESSORIES:

P/N	Description	P/N	Description
S177-X-S-0005	Cooling Tray	S707S-900	900 µm Fiber Holder
S177-X-S-0006	USB Cord	S707S-400	400 µm Fiber Holder
S177-X-S-0007	Fiber Holder Mount	S210	Furukawa Fiber Stripper
S707S-080	80 µm Fiber Holder	S211	Miller Stripper
S707S-250	250 µm Fiber Holder	S325A	Hand-Held High Precision Cleaver



ORDERING NUMBER FORM: S177A-○

Fiber Holder Type	Cleave Length
0: 16 mm Tight Holder	125 / 250 μm: 5 ~ 16 mm; 125 / 900 μm: 16 mm
1: 10 mm Tight Holder	80 / 150 ~ 200 μm: 5 mm; 125 / 250 μm: 5 ~ 10 mm; 125 / 900 μm: 10 mm
2: Fiber Holder System SOC Applicable	80 / 150 ~ 200 μm: 5 mm; 125 / 250 ~ 900 μm: 10 mm
3: Loose-Tube-Holder	125 / 250 μm: 5 ~ 10 mm

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