

# OPTICAL FUSION SPLICER

FSP200

SPLICE FIBER  
THE RIGHT WAY!

## VERSATILE

Designed to meet virtually any FTTx installation both indoors and out. Can also be used for P2P installations including back-haul, cellular and LAN.

## CORE ALIGNMENT

Out performs all other splicing technologies with six motor performance.

## FAST ACCURATE SPLICING

Seven seconds splice time.

## BENEFITS

- **Core Alignment** Low splice loss Technology for the most complex fiber geometries.
- **Compact.** Small and lightweight for the most demanding jobs.
- **IP52 Ingress Protection Rating.** Resistant to dust and water.
- **Compatible.** Uses the Belden splice on connector.
- **Adaptable.** Splices 200 micron "Micro" fibers.



# FSP200

## OPTICAL FUSION SPLICER

### SPECIFICATIONS

<b>Applicable Fibers:</b>	SM (G.652); MM (G.651); DS (G.653); NZDS (G.655); BIF (G.657); EDF
<b>Fiber Cleaved Length:</b>	10mm
<b>Cladding Diameter:</b>	80 TO 150µm
<b>Coating Diameter:</b>	100 to 1000µm
<b>Fiber Count:</b>	Single
<b>Fiber Aligning Method:</b>	Core Alignment
<b>Splice Loss (Typical):</b>	0.02 dB (SM); 0.01 dB (MM); 0.04 dB (DS); 0.04 dB (NZDS & BIF)
<b>Splicing Mode:</b>	60 Preset / User Definable Modes
<b>Splice Time (Typical):</b>	7 seconds <sup>(1)</sup>
<b>Boot Time:</b>	5 seconds
<b>Number of Splices Per Battery Charge:</b>	200 (including 60mm heat shrink cycle) <sup>(2)</sup>
<b>Splice -On-Connector:</b>	SC, LC, FC, ST
<b>Arc Calibration Mode:</b>	Automatic and Manual
<b>Protection Sleeve Length:</b>	60mm, 40mm, Micro Sleeves
<b>Ingress Protection<sup>(3)</sup>:</b>	IP5X (Dust); IPX2 (Water)
<b>Storage of Splice Results:</b>	5,000 Results, 100 screenshots
<b>Drop Test:</b>	76cm on five axis

### SPECIFICATIONS

<b>Tension Test:</b>	2N
<b>Fiber Display Magnification:</b>	200X
<b>Tube Heating Mode:</b>	20 Preset / User Definable Modes Adjustable 0-240 seconds
<b>Tube Heating Time (Typical):</b>	18 seconds <sup>(4)</sup>
<b>Attenuator Mode:</b>	0.1 to 15 dB
<b>Electrode Life:</b>	5,000 Splices
<b>Display:</b>	3.5" Color, Turn-Over LCD
<b>Connectivity:</b>	USB
<b>Operating Conditions:</b>	Pressure: 0 to 16,404 feet (0 to 5,000 meters) above Sea Level Humidity: 0 to 95% Temperature: -4 to +131F (-20 to +55C)
<b>Storage Conditions:</b>	Temperature: -40 to +158F (-40 to +70C)
<b>Power Supply:</b>	100 to 240V AC Adapter; Li-ion Battery (4400 mAh)
<b>Weight:</b>	3.74lbs (1.7kg) with battery
<b>Dimensions (HxWxD):</b>	4.9" x 4.9" x 5.3" (125 x 125 x 135mm)
<b>Vibration Resistance:</b>	10Hz - 500Hz with a spectral density of 0.03g <sup>2</sup> /Hz
<b>Password Protection:</b>	Yes

(1) Fast mode. (2) 90s/cycle splice time and power save functions activated. Number of cycles may vary depending on battery status and ambient operating conditions. (3) Dust resistance and rain resistance test do not guarantee that the product will not be damaged under these conditions. (4) Dependent on splice protector used and ambient conditions. Time quoted is with power mode enabled and assuming that the oven is not cold.  
\*Specifications subject to change without notice.

### FSP200-KIT1

Includes: FSP200 Optical Fusion Splicer and FCL200 Optical Fiber Cleaver.

### FSP200-KIT2

Includes: FSP200 Optical Fusion Splicer, FCL200 Optical Fiber Cleaver, Fiber Optic Stripper, PA1171, and an extra battery.

### Every FSP200 includes:

- Black carrying case
- Tweezers
- Extra set of electrodes
- USB cable
- 250um adapters (pair)
- 900um adapters (pair)
- SC/LC SOC Adapter
- Splice on Connector oven insert
- Splice on connector adapter for SC and LC (FIS)
- Allen key
- Power supply
- Line cord
- Carrying strap
- Cooling tray
- Battery
- Electrode Cleaner
- Quick Reference Card

### FCL200 Optical Fiber Cleaver Kit includes:

Cleaver, dust bin, fixed clamp with screw, hard carrying case, instruction sheet and allen key.

Belden SOC Adapter available for use with Belden splice on connectors. Belden part number FXFSSHFM3.

## ORDERING INFORMATION:

CAT NO.	DESCRIPTION
FSP200	FSP200 Optical Fusion Splicer
FSP200-KIT1	FSP200 Fusion Splicer & Cleaver Kit
FSP200-KIT2	FSP200 Contractor Fusion Splicer Kit
FCL200	FCL200 Optical Fiber Cleaver
01329	Replacement Electrodes
07096	915FS/FSP200 Replacement Power Supply
01640	Cleaving Wheel
01332	250µm Adapter (Pair)
01333	900µm Adapter (Pair)
01335	Adapter, Splice-On Connector, SC & LC (FIS)
02401	Adapter, Splice-On Connector, ST & FC (FIS)
05801	Loose Tube Adapter (Pair)
03245	3mm Adapter (Pair)

CAT NO.	DESCRIPTION
07388	Universal Adapter (Pair)
06811	Battery
NA LC	North American Line cord
02571	European Line Cord
02570	UK Line Cord
02568	12 V DC Car Adapter
PA1171	ProGrip 5-in-1 Fiber Optic Stripper
PA1177	ProGrip 3-in-1 Fiber Optic Stripper
PA1162	Economy Fiber Optic Stripper
PA1511	Kevlar Cutter
MSS100	Mid Span Slitter
05245	Splicer Electrode Cleaner

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