Core Alignment Fusion Splicer for intensive use

CFS200

The CFS200 fusion splicer meets the highest standards of splice quality and durability. It is the reference in the device class in the premium segment and comes with the OFC35 one-step cleaver.

High standards
The CFS200 has been developed to meet the demands of intensive use.

Time-saving work
Only 5s splicing time and 15s heating time of the shrink oven are record-breaking.

Everything at a glance
The 720x zoom allows for accurate evaluation of the splice from two angles.

Only the best of the best
The high-quality built-in optics guarantee splices with consistently low attenuation. Automatic fiber detection, six-motor core centering, automatic pressure and temperature compensation are on board.

Persistent and fast
The 5000 mAh battery allows for continuous use over a day or more than 360 cycles of splicing + shrinking. The included OFC35 One-Step Cleaver ensures fast deployment.

Built for harsh environments
An IP-52 rating and a maximum drop height of 76 cm on all 6 sides of the device ensure use in demanding environments. The device is equipped with high-quality metal fiber holders and cover flap as well as rubber buffers on the display.

Features

PROTECTED AGAINST DROPS, WATER AND DUST | FULLY AUTOMATIC ALIGNMENT AND ARC COMPENSATION FOR PROFESSIONAL USE

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Core-centering splicer for intensive use

CFS200

Technical Data	Fusion Splicer CFS200
Alignment	Core alignment (3 axis controlled)
Supported fiber categories	Single- and multimode fibers
Fiber types and loss values	ITU-T G.651 (MM) $\leqq$ 0.01 dB (typ.) ITU-T G.652 (SM), ITU-T G.657 (SM BIF) $\leqq$ 0.02 dB (Typ.) ITU-T G.653 (SM DSF), ITU-T G.655 (SM NZ-DSF), EDF $\leqq$ 0.04 dB (Typ.)
Ø Cladding supported	$\sim$ 80 - 150 μm
Ø Coating supported	$\sim$ 100 - 1000 μm
Free Fiber Length	8 - 16 mm
Splice Time	Ø $\leq$ 5 s (depending on mode and fiber orientation)
Force of tensile test	approx. 2.0 N
Splices per electrode	$\geq$ 5000 splicing operations
Splice Modes	Automatic and manual control
Heating time shrink oven	$\leq$ 15 s
Maximum length of shrink splice protection sleeves	$\leq$ 60 mm
Maximum magnification	720 X
Boot Time	$\leq$ 5 s
Number of possible heating/splicing profiles	30/240
Memory	10,000 splice results (CSV), 100 screenshots
Data transmission	USB-C cable
Supported Languages	EN, DE, FR, ES, IT, PT, RU, PL, RO, FI, CN
Display	5.0" color touch LCD
Electrode lighting	LED
Battery life	$\geq$ 360 splicing and shrinking operations
Battery	Li-Ion 14,4 V DC, 72 Wh, 5000 mAh, replacable
AC adapter	Input: AC 100 – 240 V, 50/60 Hz Output: 20V DC, 5A / 15V DC, 3A / 9V DC, 3A / 5V DC, 3A (USB-C)
Charging time (up to 100%)	$\leq$ 4 hours
Operating temperature	- 20°C - + 55°C
Storage temperature	-40°C - + 70°C
Humidity	$\leq$ 95% (non-condensing)
Operational height	Up to 5000 m above sea level
Wind speed	Up to 15 m/s
Dust/water protection	IP 52
Maximum fall height	6 pages, 76 cm
Dimensions	157 x 157 x 144 mm (L x W x H)
Weight	2.20 kg (incl. battery)
Tripod socket	1/4"
Scope of delivery	1 x CFS200 splicer, 1 x Cleaver OFC35, 1 x Sortimo-compatible L-Boxx238, 1 x power adapter, 1 x Li-Ion battery, 1 x tweezers, 1 x brush, 1 x pair of spare electrodes, 1 USB-C to USB-A cable, 1 x cooling tray for shrink oven, 1 x quick start guide
Order No.	NP-CFS200

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