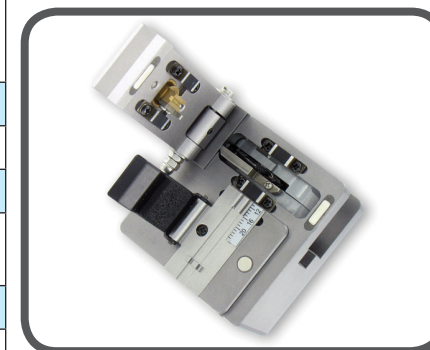


KOC - 720B Single-fiber Fusion Splicer



Table of features

	Feature	Description
1.	Fiber requirements	Single and Multimode silica glass fibers with cladding diameter of 80µm to 150µm and coating diameters from 250-1000µm (other diameters optional).
2.	Fiber clamping	Clamping on 125µm cladding or on 250µm coating by exchangeable fiber guides.
3.	Splice loss (with identical fiber)	<ul style="list-style-type: none"> Multimode fiber : 0.01dB (typ.) Standard singelmode fibers : 0.02 dB (typ.) Dispersion shifted fibers : 0.04 dB (typ.) NZDS fibers : 0.04 dB (typ.)
4.	Splicing operation	Fully automatic (one button) or manual operation.
5.	Splicing process control	<ul style="list-style-type: none"> High-speed L-PASTM (Lens-Profile Alignment System) pre-alignment video image evaluation High-contrast CDS (Core Detection System) Core - to - Core alignment. Fusion process controlled by AFCI (Arc Fault Circuit Interrupter)
6.	Fiber alignment	Simultaneous X and Y views
7.	Splice analysis	Splice loss estimation by CDS or L-PASTM (depending on splice process selected).
8.	Tensile test	Built-in. Tensile load up to 4.5 N (piezo controlled).
9.	Endface evaluation	Cleave angel detection, endface quality evaluation, fiber position detection, contamination detection.
10.	Fiber display	High-contrast 5.5 inch color LCD monitor with 200x magnification and adjustable brightness.
11.	Splice cycle time	Cycle time (including alignment, fusion and analysis) dependent on selected splice process: <ul style="list-style-type: none"> Fast : 9s (typ.) Precise : 15s (typ.)



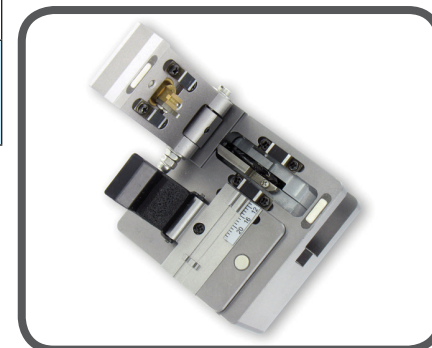
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KOC - 720B Single-fiber Fusion Splicer



Table of features

	Feature	Description
12.	Operating range	<ul style="list-style-type: none"> Operation temp : -250C to +500C Relative humidity : 95% Storage temp. : -400C to +800C
13.	Dimensions (L x W x H)	<ul style="list-style-type: none"> Splicer : 160 x 180 x 160 mm Packaging : 530 x 365 x 480 mm
14.	Weight of basic unit	<ul style="list-style-type: none"> Without battery : 4.2 kg (9.26lb) With supplied 10Ah battery : 6.5 kg (14.33lb)
15.	Power supply	<ul style="list-style-type: none"> 85 to 260V AC 50/60 Hz using built-in 100V AC power supply External 12V DC, 14.5V maximum e.g. from Uninterrupted Power Supply Internal 12V DC. Two additional optional 2.3 Ah batteries recommended.
16.	Interfaces	<ul style="list-style-type: none"> RS232 / V.24 serial via D-Sub jack 9 pin, baud rate selectable Video for uploading splice loss values and splice parameters to a P PCMCIA slot for future memory upgrades



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KOC - 720B Single-fiber Fusion Splicer



Table of features

	Feature	Description
17.	Additional software functions	<ul style="list-style-type: none"> • 15 fixed programs • Up to 50 user-definable programs • Selectable password protection • Manual operation option • Automatic compensation of poor fiber position and bad cleave angles up to 3.00 • Selectable fusion process mode • Altitude compensation up to 5000m above sea level • Selectable power save function when operated by battery • Splice date memory for up to 8000 splice loss values • Start up self-test with status report • Operation hours and total splice counter • Electrode maintenance indication at selectable intervals • Real-time clock and date indication • Service support special diagnostic program

