

DIGITUS Fusion Splicer for Multimode and Singlemode, 3 Axis, 6 Motors

DN-FS-6-2

EAN 4016032489719



Fusion splicer for SM, MM, 6 motors, incl. cleaver, bag

The DIGITUS® compact fusion splicer can be operated in battery mode or with a power supply and is suitable for installation and maintenance of numerous LWL fibers. The device works with precision motors and high-speed image processing which enables quick and automatic high-quality welding procedures. Via the 3.5-inch LCD display, you'll be able to keep an eye on each work step of the splicing device. It can display the X as well as the Y-axis or even both in parallel. Multimode glass fibers (MMF/G.651), Singlemode fibers (SMF/G.652), Dispersion-Shifted Fibers (DSF/G.653) and Non-Zero Dispersion-Shifted Fibers (NZDSF/ G.655) as well as Bend-Insensitive Fibers (fibers such as BIF/G.657) are supported. A cleaver (glass fiber cutter) is integrated into this device. It is used as a splicing device on construction sites, for maintenance work and repairing backbone cables. Its low weight makes this device perfectly transportable - a carrying case is included in the scope of the delivery. Areas of application are scientific facilities, telecommunication companies, broadcasting and TV, public transportation, electricity plants as well as the military. A glass fiber mount, a cleaver (glass fiber cutter), a storage for cooling, a stripping tool, a power supply and a USB cable are also included in the scope of the delivery.

The precision splicing device is equipped with 6 motors - 3 axes adjustments, for multi and singlemode glass fibers (SM / MM)

- Axes: 3
- Motors: 6
- Incl. cleaver (glass fiber cutter)
- Universal Fiber Composition: Drop cable, 250 μ , 900 μ , 2.0 - 3.0 mm
- Glass fiber diameter: Sheath: 80-150 μ m, coating: 160-3000 μ m
- Protective covers: 40 - 60 mm
- Splicing technique: Electric Arc (Arc-Optimization)
- Splicing procedure: Automatic / manual
- LCD Touch Display (colored)
- Display Modes: X, Y, X + Y (axes)
- Zoom: 250-fold (X / Y)

- Memory: 4000 splicing data (CSV)
- Interface: USB Connection (Plug and Play)
- Splicing time: < 6 seconds
- Warm-up time: < 18 seconds
- Typical loss (dB):
- Multimode (MM): < 0.01 dB
- Singlemode (SM): < 0.02 dB
- Bidirectional Fiber (BI): < 0.02 dB
- Dispersion-Shifted Fiber (DSF): < 0.04 dB
- Non-Zero Dispersion-Shifted Fiber (NZDSF): < 0.04 dB
- Return Loss : > 60 dB
- Waterproof: Yes
- Dust-tight: Yes
- Impact-resistant: Yes
- Battery : Rechargeable lithium battery
- Battery capacity : 5200 mAh
- Battery capacity: > 250 splices
- Charging time: < 4 hours
- Power supply: 230 V AC / 50 Hz
- Operating temperature: -10 °C ~ 50 °C
- Storage temperature: -40 °C ~ 70 °C
- Dimensions: L 156 x W 141 x H 156 mm
- Weight: 2.45 kg (including batteries)

Package contents

- Fusion splicer
- Cleaver (fiber optic cutter)
- Fiber stripper
- Replacement electrodes
- Shelf for cooling
- Drop Cable Stripper
- Transport case
- Power supply unit
- USB manual
- Cleaning brush
- QIG

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	1	7.00	35.00	43.00	25.00	37,625.00
Packaging Unit Inside	1	7.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	7.00	32.00	40.00	22.00	28,160.00
Net single without Packaging	1	2.45	14.10	15.60	15.60	0.00

Safety notes

- Avoid direct contact with light sources: Fiber optic cables, especially those with active light sources such as lasers (e.g. in optical communication systems), can emit dangerous radiation that can damage eyes. Take care never to look directly into the light of an optical fiber, even if the light source is invisible to the naked eye.
- When working with fiber optic cables, especially during tests or when working with lasers, protective goggles should always be worn to protect against harmful radiation.
- Read the operating instructions supplied with the device.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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