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 µm, coating: 160-3000 µm
- 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)	cm³
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	6.13	32.00	40.00	22.00	28,160.00

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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