Fusion splicer

General information about ADOF-111FS fusion splicer:

Obtaining 16 patens of invention and 58 technical innovations, a brand-new product ADOF-111FS Optical Fiber Fusion Splicer is launched, thanks to 5 years of painstaking research of 28 engineers.
ADOF-111FS implements industrial- grade CPU+FPGA structure of high - performance, completely fresh HD optical fiber microscope, imported high-speed motor and aluminum-magnesium alloy materials extensively.
Compared with ADOF-111FS, our star product, ADOF-111FS lowers the size by 38%, the weight by 52%, the power consumption by 57%, but improves the speed by 60%, the environment adaptability by 80% and the reliability (MTBF) by 200%. You can get unprecedented fusion splicing experience.

Function:

- ✓ Precise fiber core alignment, ultra-low fiber fusion splicing consumption 7s fast fusion splicing, 18s highly efficient heating.
- ✓ 320 times image magnification, 5mm fusion splicing for fibers of ultra-short cutting length
- ✓ 300 groups of fusion splicing modes, 100 groups of heating modes
- ✓ 10000 groups of fusion records, 64 images storage
- ✓ Ceramic presser foot, ceramic V-block, all-in-one fixture
- ✓ Dual-direction splicing,automatic splicing,intelligent pyro condensation
- ✓ USB and SD card interfaces, U-disk automatic software upgrade
- ✓ Built-in modular lithium battery, supports 220 times of splicing and heating cycles.

Small and light

Small in size and light in weight, the splicer is easy to carry and can be lift by one hand.

ADLEER COMPANY

Info@adleer-ad.com
adleer-usa@adleer-ad.com
www.adleer-ad.com
+44-20-32900117

Technical specification of the device:

- Alignment method: Precise core alignment and cladding alignment
- Applicable fibers: Any common optical fibers, rubber-insulated fibers and jumpers that meet requirements of ITU-TG.651~653, ITU-TG.655 and ITU TG.657.
- Optical fiber diameter: Cladding：80～150μm, coating layer: 0.1～3mm
- Cutting length:5～16mm (coated optical fiber diameter≤250μm),10mm
- coated optical fiber diameter:0.25~3mm)
- Fusion splicing consumption (typical value):0.02dB(SMF),0.01dB(MM) , 0.04dB(DSF),0.04dB(NZDSF)
- Return loss: Better than 60dB
- Fusion splicing time (typical value):7s
- Heating time (typical value):18s
- Pulling force test:1.96～2.25N
- Thermal shrinkage tube:60mm, 40mm and a series of thermal shrinkage Tubes
- Graphical display: High-performance 4.3 inch LCD
- Magnification time:320 times/88 times
- Fusion splicing record:10000 groups
- Battery capacity:11.1V，6400mAh，typical value of fusion splicing and
- thermal cycle is 220 times
- Battery service life: Cycle charging times reach 300～500, can be replaced by Customers
- Electrode service life: Typical value is 4000 times, can be replaced by
- Customers
- Construction lighting: Built-in lights with high-brightness and wide lighting Area
- Working environment: Temp:-10～50℃；hum: 0～95%RH，height above sea level:0～6000m
- Operation interfaces: GUI graphical operation interfaces
- External power: AC: AC100～240V，60Hz，0～1.5A；DC: DC10～15V
- External port: USB / SD
- Dimensions:120mm(W)×130mm(H)×154mm(D),(without rubber anti vibration pad)
- Weight:1.59kg(host engine),0.37kg(battery)

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