

Simplified compact fusion splicer

SUMIOFCAS Type-45M



As this has been developed to achieve optimum operating efficiency, it gives you high speed splicing/heating operation.

Standard package

Item	Quantity	Type
●TYPE-45M main unit	1pc	
●Power supply unit (AC adapter recharger)	1pc	PS-65
●Battery (*1)	1pc	BU-65
●AC cord	1pc	PC-AC4
●Charge cord	1pc	
●Tray for protection sleeve	1pc	
●V-groove brush	1pc	
●Spare electrodes	1 pair	ER-7
●Operation manual	1pc	
●Carrying case	1pc	

* 1. Additional units may be purchased.

Features

- Compact/light weight and suitable for aerial splicing
- Both power sources, AC adapter and battery, are available.
- The portable capability of the T-45M has been improved using the slot-in AC adapter/battery.
- Newly developed FFES optical system provides high speed splicing and clear fiber image, which allows visual check. (FFES-Full fiber in Focus in Equal Size)
- Newly developed heater is capable of high speed heating operation.
- 40 consecutive splicing/heating operation with one fully charge battery.
- The mounting of a large wind protector enables splicing operation in 15m/s strong wind.
- 5.6 inch large TFT color monitor provides clear fiber image even in direct sunlight.
- Protection glass attached to mirror gives you much easier cleaning and maintenance.
- White LED illumination enables identification of a ribbon color and fiber loading even at dark places.
- Automatic arc test insures an optimum arc is achieved for various environmental conditions, as well as splicing different manufactures fiber.

Specifications

Applicable fiber

Material	/ Silica glass
Fiber type	/ Single mode (SMF) Multi-mode (MMF) Dispersion shifted (DSF) Non-zero dispersion shifted (NZ-DSF)
Fiber diameter	/ 125 μ m
Cleave length	/ 10mm
Number of fibers	/ Single fiber (ϕ 0.25, ϕ 0.9mm), 2~4 fiber ribbon

Standard performance (Typical)

Splice loss (Identical fibers)	SMF fiber.....	0.05dB
	MMF fiber.....	0.03dB
	DSF fiber.....	0.07dB
	NZ-DSF fiber.....	0.05dB

Splice cycle time / 25 sec (4-fiber ribbon)

Heater cycle time / 75 sec (4-fiber ribbon)

Splice cycle per full charge of battery / 20 cycles (4-fiber ribbon, including heater, using JR-5)

Splice programs / 48 (max.)

Heating programs / 10 (max.)

Functions

- Splice loss estimation
- Splice data storage (250 splicing)
- Fiber condition data storage
- Screening of spliced portion (Tension 1.96N(200gf))
- Built-in high speed heater for thermal protection (Applicable for 40, 60mm sleeve)
- Arc test (With environmental effect compensation function)
- V-groove guide

Dimensions

Size / 150(W) x 150(D) x 150(H) mm

Weight / Approx. 3kg

Monitor display/ 5.6-inch large TFT color monitor

Power supply / AC 100-240V, (50/60Hz) DC 12V