

Specifications

	TYPE-25eM	TYPE-25eS	TYPE-25eS-LC		
Optical fiber requirements	Material	Silica glass			
	Profile types	SMF (ITU-T G.652), MMF (ITU-T G.651), DSF (ITU-T G.653), NZDSF (ITU-T G.655)			
	Fiber count	1, 2, 4			
	Cladding diameter	125 μm			
	Coating diameter	Ribbon fiber thickness: 280~400 μm Single fiber: 250 μm, 500 μm, 900 μm	250 μm, 500 μm, 900 μm	250 μm	900 μm tight buffer
Standard performance	Cleave length	10mm	10mm	10mm	10mm
	Splice loss (Typical)	SMF: 0.05dB, MMF: 0.03dB, DSF: 0.08dB, NZDSF: 0.08dB (With Sumitomo identical fibers)			
	Splice cycle time	Approx. 15 seconds (for 4-fiber ribbon)		Approx. 11 seconds	
	Heat shrink oven cycle time	Approx. 40 seconds (on FPS-5)			
	Splice & heat cycles per fully charged battery	Approx. 60 *2			
Programs	Fiber view and magnification	Two CMOS cameras observation 34X	Two CMOS cameras observation 68X		
	Splice programs	Max. 15			
	Heating programs	Max. 15			
	Loss estimation	Provided			
	Splice data storage	1,500 splices			
Functions	Proof test	1.96N (200gf)			
	Automatic arc test	Provided			
	V-groove white LED illumination	Provided			
	Automatic fiber count detection	Provided	-		
	Size	120(W) x 145(D) x 160(H) mm			
Size/Weight	Weight	1350g (1500g including BU-25 battery)			
	Monitor	2.5" TFT color monitor			
	Power requirement	Battery operation, AC operation (with AC adapter), Car battery operation (option)			
Power supply	Battery	Lithium-ion (Rechargeable while installed in TYPE-25e)			
	AC Input	100V~240V (50/60Hz)			
	DC Input	DC 12V (for PC-V25 (option))			
Terminals	DC output terminal	DC 12V (for JR-6 hot jacket remover in AC operation)			
	USB port	USB 1.1 type-B			
Operating condition	Altitude 0 to 3,660m, Humidity 0%~95% (non-condensing), Temperature -10°C ~ +50°C and up to 15m/s wind velocity				

*1: 10mm of bare fiber and 10mm of 250 μm fiber

*2: This number is not guaranteed. 3 minute splice and heating cycle is repeated with a new fully charged battery in room temperature.

Splice & heat cycles may vary depending on the operating environment.

Standard package

Part name	Part No.	Quantity	T-25eM	T-25eS	T-25eS-LC	Remarks
Main unit	TYPE-25eM	1 pc	○	—	—	For single and up to 4-fiber ribbon
	TYPE-25eS	1 pc	—	○	—	For single fiber
	TYPE-25eS-LC	1 pc	—	—	○	For single and loose buffer fibers Mechanical chuck type
Battery	BU-25	1 pc	○	○	○	Lithium-ion Battery
AC adapter	ADC-1240	1 pc	○	○	○	For AC operation and battery charge
Spare electrodes	ER-10	1 pair	○	○	○	Electrodes for TYPE-39/25e/66
Fiber holders	FHS-025	1 pair	—	○	—	For single fiber with 250 μm coating
	FHM-4	1 pair	○	—	—	For 4-fiber ribbon
Neck strap	—	1 pc	○	○	○	Strap for neck
V-groove cleaning brush	VG-T-1	1 pc	○	○	○	
Operation manual	—	1 pc	○	○	○	
Quick reference guide	—	1 pc	○	○	○	
Carrying case	CC-25e	1 pc	○	○	○	Hard case

Optional accessories

Part name	Part No.	T-25eM	T-25eS	T-25eS-LC	Description
Battery	BU-25	○	○	○	Lithium-ion Battery
AC adapter	ADC-1240	○	○	○	AC adapter for TYPE-25e
Car battery cable	PC-V25(2M)	○	○	○	Car battery cable (cigarette socket type)
Battery charger	BC-25A	○	○	○	Battery charger for BU-25
AC adapter	ADC-1635	○	○	○	AC adapter for BC-25A battery charger
Electrodes	ER-10	○	○	○	Electrodes for TYPE-39/25e/66
Fiber holder	FHS-025	○	○	—	For single fiber with 250 μm coating
	FHS-05	○	○	—	For single fiber with 500 μm coating
	FHS-09	○	○	—	For single fiber with 900 μm coating
	FHM-2	○	—	—	For 2-fiber ribbon
Carrying case	FHM-4	○	—	—	For 4-fiber ribbon
	CC-25e	○	○	○	Hard carrying case
	CCS-25	○	○	○	Soft carrying case
Cooling tray	FCT-25	○	○	○	Tray for cooling down heated protection sleeve
Dispenser	HR-3	○	○	○	Dispenser for alcohol
Work platform	WT-25	○	○	○	Can be stored in carrying case
Fiber cleaver	FC-7R-F	○	○	—	Handheld type (used with fiber holders) for single and ribbon fibers
	FC-7R-S	—	—	○	Handheld type with single fiber adapter
Jacket remover	JR-M03	○	○	○	For single fiber
Fiber protection sleeves	JR-6	○	—	—	For ribbon fiber (powered with battery, splicer or AC adapter)
	FPS-1	○	○	○	For single fiber/60mm
	FPS-40	○	○	○	For single fiber/40mm
	FPS-5	○	○	○	For ribbon fiber/40mm

Standard package & Optional accessories



Carrying case CC-25e

Hot jacket remover JR-6

Jacket remover JR-M03

Fiber cleaver FC-7R-F

The production process of this product meets ISO 9001.(JQA Certificate Number:JQA-1135)

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SET

Compact fusion splicer TYPE-25e



More convenient, more field friendly.
Compact splicers for FTTH deployment

Ingenious Dynamics

SUMITOMO ELECTRIC

Compact fusion splicer

TYPE-25e

The leading product of "Handy series" family has been greatly changed.

The TYPE-25e is a fully portable and handheld fusion splicer, which its mechanism is newly engineered with eco-friendly materials, offering speed, added applicable fiber profiles, new power saving design and flexibility of power supply. New fiber holders enable easier fiber loading and make splicing more efficient and successful. The versatility of the TYPE-25e increases functionality for operators in the field. Try another innovation from Sumitomo.

- NEW** Automatic fiber count detection feature
- NEW** Automatic arc power calibration feature*

2-way power supply

AC/battery operations are available and a battery can be charged while installed in the TYPE-25e.

Fast splicing with convenience

Splice cycle time is significantly reduced by 30%.
All TYPE-25e units are optimized for DSF/NZDSF as well as single-mode and multimode fibers.

Power saving and cost effective design

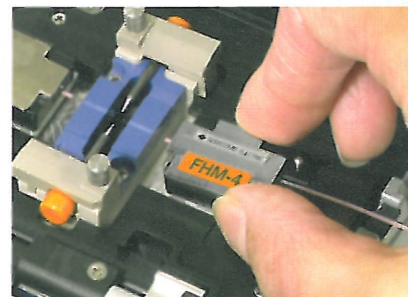
60 splice and heat cycles per fully charged battery.
(twice as many as the original TYPE-25.)

*An arc test should be performed in the following situation: at an altitude of over 1000m, with worn-out electrodes or in using special fiber types.

Features



- ① **Neck strap (included in standard package)**
Small & lightweight design brings you complete portability and convenience.
Neck strap provides portability and stability anywhere in the field.



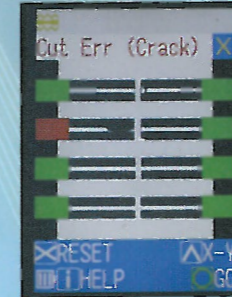
- ② **Fiber holder**
New fiber holders make it easier to load fibers into the V-grooves.



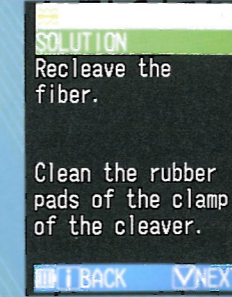
- ③ **One button control**
Just press SET to initiate splicing process. Buttons are ergonomically positioned.



- ④ **Splice loss estimation display**
Pre-splice inspection and splice loss estimation support ideal and reliable splicing.



- ⑤ **Help function**
The TYPE-25e displays useful troubleshooting messages when operational error occurs.



- ⑥ **Heat cycle status indicator bar**
Provides a visual indication of the heat cycle progress. The green bar moves to the right as the heat cycle nears completion.



- ⑦ **High speed heating**
Less than 40 second heat cycle can be achieved with 4-fiber ribbon.

Robust and rugged for use in any field application

Magnesium die cast body, makes the unit rugged for frequent operation.

Work platform (option)

Designed to hold TYPE-25e
Can be stored in carrying case Part No.:WT-25



USB port for PC interface

USB interface for quicker splicer to PC data transfer

Dedicated DC input terminal

AC adapter is directly connected to the TYPE-25e.
The battery charge LED flashes while a battery is being charged.



Brilliant screen images

Display angle adjustment

Fast key response

The screens switch quickly in response to keypad operation.
Stress-free response.

European Union RoHS compliant

Pollutant-free materials and eco-friendly design solutions