

OPTiSmart OPT-1200S Optical Fiber Fusion Splicer



DESCRIPTION

The OPTiSmart OPT-1200S splices diverse quartz optical fibers with a cladding diameter from 80um to 150um, including singlemode, multimode, non-zero dispersion, dispersion shifted and bend insensitive fibers.

Primarily for permanent splicing of optical fibers, it's widely used in fiber communication projects and production testing of passive optical devices.

With a typical splice time of 7 seconds, it features a 4.3 inch TFT colour LCD with touch screen functionality for ease of use.

SPECIFICATIONS

Model	OPTiSmart OPT-1200S Optical Fiber Fusion Splicer
Heating	<ul style="list-style-type: none"> Material: quartz Core quantity: single-mode Fiber Types: singlemode, multimode, non-zero dispersion, dispersion shifted, bend-insensitive & erbium-doped fibers Cladding diameter: 80-150 micron Coating diameter: 0.1mm-1.0mm, 2.0mm, 3.0mm, 2.0mm*3.1mm
Power Supply	<ul style="list-style-type: none"> Effective heating length ≤ 60mm Heating time: 10-255 seconds, programmable as required Typical heating time: ≤ 25s (standard 45mm sleeve), ≤28s (standard 60mm sleeve)
Dimensions & Weight	<ul style="list-style-type: none"> External DC power input Input voltage is 13.5±0.5V; input current≥4.4A; socket center is positive. Built-in lithium-ion battery for power supply. The lithium-ion battery is 11.1V, ≥5.2Ah, full charging time is approx. 2.5h.
Environmental Conditions	<ul style="list-style-type: none"> Dimensions: W×H×D=120mm×130mm×154mm (without vibration-free rubber pad) Weight: approx.1.95kg (with the lithium-ion battery), approx.1.75kg (without the lithium-ion battery).
Splice Loss	<ul style="list-style-type: none"> Operating temperature: -10°C~+50°C Temperature limit: -20°C~+55°C Operating humidity: 95%RH and below(non-condensing) Max. wind speed: 15m/s Storage temperature: -40°C~+8°C Storage humidity: 95%RH and below (non-condensing). <p>Typical loss values of spliced points are:</p> <ul style="list-style-type: none"> Single-mode fiber: 0.03dB Multi-mode fiber: 0.01dB Dispersion shifted fiber: 0.04dB Non-zero dispersion shifted fiber: 0.04dB
Other	<ul style="list-style-type: none"> Typical splice time: 7s(FAST mode, typical) Monitor: with touch screen function, 4.3 inch TFT color LCD USB port: system update and data transmission Real-time display of remaining battery capacity Built-in lighting with high brightness, for convenient loading of fibers

Contents List

- Instrument (Main Body)
- Fiber Cleaver
- Fiber Coat Stripper
- Internal Battery
- Charger
- AC Power Cord
- 2G USB Flash Disk
- Spare Electrodes (one pair)
- Cooling Tray
- Alcohol Pump Bottle
- Carrying Case
- Carrying Belt
- User's Manual