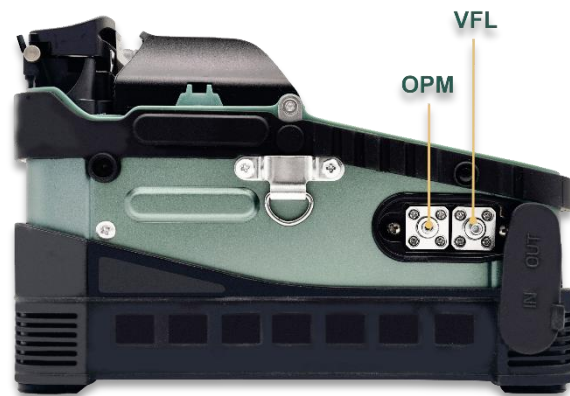




DESCRIPTION

Affordable, Fast & Reliable Fiber Splicing Solution

PHS410 Handheld Fusion Splicer a cost-effective 6-motor fusion splicer designed for FTTH installations, security monitoring, and short-distance outdoor fiber optic projects.

FEATURES

- 6-motor core alignment technology
- 5-inch color touchscreen with 320x magnification
- Fast 8-second splicing and 18-second heating
- Built-in Optical Power Meter (OPM) and Visual Fault Locator (VFL)
- 5200mAh battery supports up to 160 splice and heat cycles
- Compact design with foldable cooling tray
- Supports 11 languages with remote software upgrades
- Industrial-grade CPU for fast and stable operation

APPLICATIONS

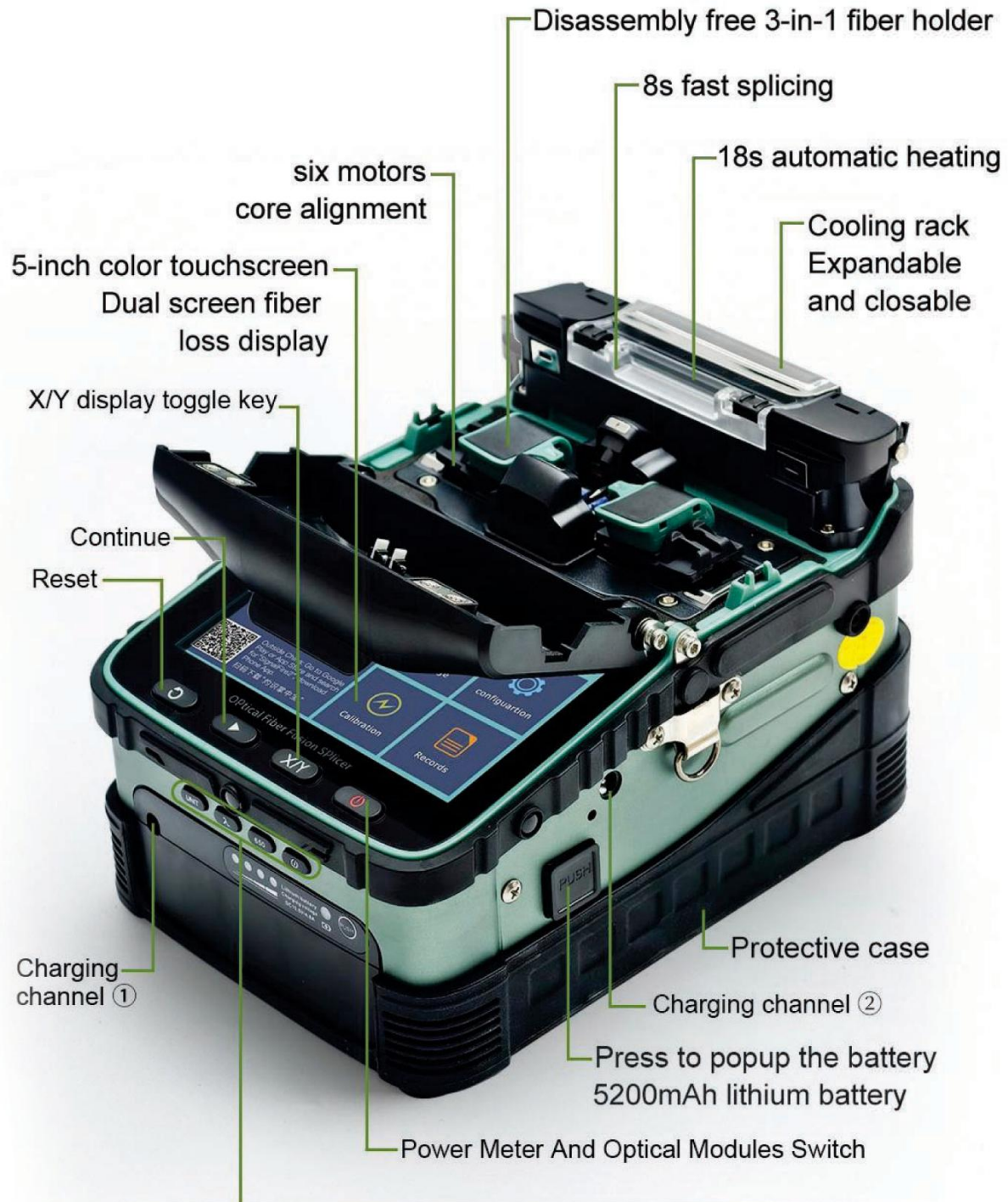
- FTTH
- Security Surveillance
- Field Fiber Optic Installations



SPECIFICATIONS

Fiber Alignment	Core/Cladding
Motor Number	6 motors (accurate fiber alignment: 0.3 μm)
Splicing Time	8s
Heating Mode	18 s, customizable according to external environment
Fiber Type	Single-mode fiber (SMF/G.652) Multimode fiber (MMF/G.651) Dispersion-shifted fiber (DSF/G.653) Non-zero dispersion-shifted fiber (NZ-DSF/G.655) Bend-insensitive fiber (BIF/G.657) Suitable for splice-on fiber, pigtail, drop fiber, patch cord, and invisible fiber
Cladding Diameter	80 - 150μm
Splicing Loss	0.02 dB (SM), 0.01 dB (MM), 0.04 dB (DS/NZDS)
Splicing Mode	Automatic focusing core alignment, conventional/high-precision welding
Splicing Way	Automatic, semi-automatic
Fiber Holder	Three-in-one fixture, no need to change; suitable for single/multi-mode, multi-core cable, bare fiber, tail fiber, jumper fiber, and drop cable
VFL	Built-in VFL, power: 15 mW, 2Hz flashing and steady-on mode
OPM	Wavelengths: 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm, 1270 nm, 1577 nm, 1650 nm Measurement range: -50 to +26 dBm Absolute error: <0.3 dB (-50 dBm to +3 dBm range)
Machine System Languages	11 languages available (Chinese, English, French, Russian, Ukrainian, Italian, Portuguese, Polish, Spanish, Thai, Arabic)
Battery Capacity	5200 mAh large-capacity lithium battery; charging time ≤ 3 hours; supports approximately 160 cores continuously with splice and heat cycles
Magnification	320x (X or Y axis single display), 200x (X and Y axis dual display)
Fiber Diameter	Cladding diameter: 80-150 μm, Coating diameter: 100-1000μm
Cutting Length	Coating layer 250 μm: 8-16 mm, Coating layer 250-1000 μm: 16mm
Heat Shrink Tube	60 mm, 50 mm, 40 mm, 25 mm
Tensile Testing	Standard 2N
Display	5-inch color touchscreen
Boot Time	1 s, enters working mode immediately
Data Storage	Unlimited; machine storage for 1000 groups, excess data can be stored on server and exported
Wireless Communication	Supports 2.4 GHz hotspot standard, maximum transmission range up to 60 m
Software Upgrade	Mobile phone APP Internet update, Bluetooth synchronization and machine software upgrade
Management Function	Supports authority management and remote monitoring of welding records, welding time, loss, etc. via mobile APP, enables management of single or multiple devices
Return Loss	Better than 60dB
Product Protection	Waterproof, dustproof, and fall-proof
Power Supply	Input AC100–240 V, 50/60 Hz; output DC13.5 V / 4.8 A, power mode identification and real-time monitoring of current battery level
Working Environment	Temperature: -15°C to +50°C Humidity: <95% RH (non-condensing) Altitude: 0–5000 m Maximum wind speed: ≤15 m/s

INTERFACES



Key for OPM & VFL

18s Auto Heating



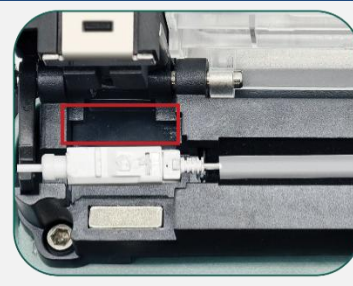
Preheating

Successful fiber splicing. When the windproof cover is opened to insert the fiber, the machine automatically preheats for up to 8 seconds..



Cooling Rack

Expandable and closable



Heating part compatible with SC fiber

SC Fiber : Push up
Other fiber : Push down

STANDARD ACCESSORIES

Fusion Splicer



Cleaver



Fiber Stripper



Fiber Stripper



British Power Cord & Adapter



Strap



Cleaning Brush



User Manual



ORDERING INFORMATION

Part No	Description
PHS410	Handheld Fusion Splicer Standard Package with 6 Motor & build in Power Meter and VFL Includes:- - Fiber Splicer Main Machine with Battery x 1 - Single Fiber Cleaver x 1 - Fiber Jacket Remover x 1 - British Power Cord & Adapter x 1 - Solid Carrying Case x 1 - Fiber Stripper x 1 - Drop Cable Stripper x 1 - Strap x 1 - User Manual x 1 - Cleaning Brush x 1

Note : Specifications are subject to change without notice

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