

A700 PRO Next-Generation 6-Motor Core-Alignment Fiber Fusion Splicer KIT

Fiber Optics / Fiber Testing & Splicing Equipment

Complete KIT · New generation upgraded from A80S · 6 motors · SM/MM/DS/NZDS · 8 s/18 s · 5-inch HD display · 5200 mAh



KG-FT-FS-A700-6M-PRO

Equipment type

Single-fiber electric arc fusion splicer

Focusing system

Autofocus using 6 motors

Alignment methods

Core and cladding

Key features

- Complete KIT with case, tools and accessories included according to the configuration.
- New generation upgraded from the A80S platform: 6-motor architecture compared with the 4 motors of the previous catalog model.
- Core and cladding alignment with autofocus for SM, MM, DS and NZDS fibers.
- Three splicing modes: automatic, semiautomatic and manual. Typical time of 8 s for SM.
- Typical heating time of 18 s, with automatic or manual control and time and temperature adjustment for 20-60 mm sleeves.
- 5-inch HD capacitive touchscreen, touch and button control, 300x X/Y magnification and 180° reversible display.
- Memory for 1000 splices, graphical interface in 10 languages including Spanish, and USB for data export and function updates.
- Removable 5200 mAh lithium battery, charge indicator and LED work area lighting.
- SOC adapter, holder for bare fiber, pigtails and drop cable, plus preparation tools and cooling tray.
- Top-mounted display and hard case for organizing equipment and accessories.

Technical specifications

Parameter	Specification
KONGIA model	A700-6M-PRO
Equipment type	Single-fiber electric arc fusion splicer
Focusing system	Autofocus using 6 motors
Alignment methods	Core and cladding
Splicing modes	Automatic, semiautomatic and manual
Compatible fibers	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655)
Fiber programs	Preset types and custom type configuration
Glass fiber diameter	80-150 µm
Coating diameter	100-1000 µm
Typical SM splice loss	0.02 dB
Typical MM splice loss	0.01 dB
Typical DS / NZDS loss	0.04 dB
Typical splicing time	8 s for SM
Tensile test	1.96-2.1 N
Screen	5-inch HD capacitive touchscreen
Controls	Physical buttons and touchscreen
Display orientation	Content reverses 180° for operation from both sides
Magnification	300x on the X / Y axes
Splice display	Estimated loss, cleave angle and fiber image
Splice memory	1000 records
Interface	Graphical GUI
Languages	10: Spanish, English, Chinese, French, Russian, Italian, Portuguese, Thai, Polish and Arabic
Typical heating time	18 s
Heating modes	Automatic and manual
Heater adjustment	Configurable time and temperature
Heat-shrink sleeves	20-60 mm

Technical specifications

Parameter	Specification
Fiber clamping	Bare fiber, pigtail and drop cable
SOC adapter	Included for compatible connectors
Cooling	Cooling tray included
Electrode life	Approx. 3000 splices, depending on use and maintenance
Illumination	LED
USB	Data export, function updates and power output
Charging time	Approx. 3.5 h
Adapter input	100-240 V AC, 50/60 Hz
Adapter output	13.5 V DC / 4.81 A
Operating temperature	-15 to +50 °C
Operating humidity	Up to 90% RH, non-condensing
Operating altitude	0-5000 m
Storage temperature	-40 to +50 °C
Storage humidity	0-95% RH
Battery	Removable lithium, 5200 mAh
Charge indicator	Battery level indicator
Reference runtime	Approx. 200 cycles according to the technical table; depends on use
Equipment dimensions	231 x 153 x 125 mm (length x width x height)
Weight with battery	Approx. 1.94 kg
Weight without battery	Approx. 1.44 kg
Reference conditions	Typical values depend on the program, fiber preparation and conditions of use
Pack size	Complete KIT with case, tools and accessories
Warranty	2 years

Applications

FTTH and FTTx Installations

Fiber splicing in access networks and drop connections.

Backbone, Campus and Building Networks

SM, MM, DS and NZDS fiber alignment and splicing according to the selected program.

Maintenance and Repair

Restoring optical continuity and recording splices in the field.

SOC Connector Termination

Cleaving, splicing and protecting connectors compatible with the included adapter.

Packaging & contents

KONGIA A700 PRO splicer with 5200 mAh battery Hard case, hand strap and shoulder strap Precision fiber cleaver and protective case 3-position fiber stripper and drop cable stripper SOC adapter and cooling tray Spare electrodes Cleaning clamp, 10 cotton pads and empty alcohol bottle Power adapter and cable Equipment manual and documentation

Warranty

KONGIA 2-year warranty.