



# PROLITE-41

ULTRA FAST  
OPTICAL FIBRE FUSION SPLICER  
WITH REPLACEABLE BATTERY

FOR FIELD WORK  
AND PROFESSIONAL TRAINING



7 SECONDS  
SPlice TIME



CORE  
ALIGNMENT



TWO BATTERIES  
INCLUDED

### COMPATIBLE OPTICAL FIBRE TYPES

Single Mode (SM), Multi Mode (MM), DS, NZDS.

### HIGH PERFORMANCE FASTSPlicing

Splicing takes as low as 7 sec. Heating 24 s (fibre  $\varnothing$  40 mm) or 31 s ( $\varnothing$  60 mm).

### INCLUDES TWO REPLACEABLE BATTERIES

Up to 180 cycles /splicing + heating) per battery.

### SPLICE RESULTS STORAGE

Allows storing up to 5000 splice results and transferring them to the computer.

### FULLY FEATURED ACCESSORY PACK: START WORKING FROM THE VERY BEGINING

The **PROLITE-41** optical splicer comes in a **transport suitcase** including all the accessories necessary to work from the very beginning: Two strippers (for fibre and for cable drop), cleaver, dust blowing pear, protective sleeves, isopropyl alcohol dispenser... And a quick reference guide to master the usage of the optical fusion splicer at a glance.

### PERFECT FOR PROFESSIONAL TRAINING AND FOR FIELD WORK

The **PROLITE-41** is suitable for the **professional environment** thanks to its advanced technology which allows splicing fibers in as low as 7 seconds. It uses advanced Optical Core Alignment fiber adjustment technology.

The optical fiber splicer features four motors drive fiber adjustment function. It is suitable not only for FTTx environments, but also can be used for the trunk line of a telecommunications system.

It is also an optimal choice for vocational training and colleges because allows the centres to **optimize the investment in equipment**: The package includes all the tools required to work with optical fibre (cutter, cleaver, etc).

It allows an intensive usage thanks to the AC supply voltage and its shock, water and dust-proof design.



SPECIFICATIONS	PROLITE-41 OPTICAL FIBRE SPLICER WITH REPLACEABLE BATTERY
Applicable fibers	SM (Single Mode), MM (Multi-Mode), DS (Dispersion Shift), NZDS (Non Zero Dispersion Shift)
Return loss	< 60 dB
Average fusion loss	0.03 dB (SM) / 0.02 dB (MM) / 0.06 dB (DS) / 0.06 dB (NZDS)
Fiber diameter	125 µm (cladding) / From 250 µm to 900 µm (coating)
Fiber adjustment mode	Both core alignment and cladding alignment
Pull test	2N
Magnification	115x (X/Y axis) / 230x (X axis or Y axis)
Screen	Color LCD 4.3"
Splice results storage	5000 groups of the latest records
Fusion splice model	40 pre-configured sets, 80 user-defined sets
Fusion splice duration time	7 s
Heating time	31 s (60 mm) / 24 s (40 mm)
Loss estimation of fusion splice	Yes
Lighting mode	Internal high-brightness LED, excellent for night work
Remaining battery charge indication	Accurate display of remaining battery charge in the LCD
Power supply	
Internal battery	11.1 V user-replaceable lithium battery. The device can be operated while charging the battery.
Battery capacity	180 fusion splicing + heating cycles
Battery charging time	3 h
Battery life span	Up to 500 recharges
AC adapter	External power adapter. Input: From 100 to 240 V AC. Output: 13.5 V DC /5 A
External ports	USB 2.0 port
Mechanical features	
Dimensions	140 (W.) x 130 (H.) x 167 (D.) mm (including antishock protector)
Weight	1.68 kg (without battery), 2.09 kg (including battery)
Included accessories	External AC adapter + mains cable, Cleaver, Pair of spare electrodes, Cooling tray, Tweezers, Transport suitcase, Standard stripper, Fibre drop cable stripper, Magnetized clamp heater spare, Fiber handling magnetized clamps, Dust blowing pear, Isopropyl alcohol dispenser, Protective sleeves, USB to PC cable, Quick reference guide

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 11/20