

### **FUSION**

### **Hi-Precision Digital Fusion Splicer T-207X**

#### **DESCRIPTION**

Fusion splicer is used for joining two optical fibers end-to-end using heat, to fuse the two fibers together in such a way that light passing through the fibers is not scattered or reflected back by the splice, and so that the splice and the region surrounding it are almost as strong as the virgin fiber itself.



#### TECHNICAL SPECIFICATION

- > 5 inches high resolution colorful LCD display, image can be turned according to position
- > Average splice time: 10 seconds
- > Average tube-heat time: 30 seconds
- > Lithium battery: Rechargable and up to 180 times of continuous splice and heat after fully charged
- > X or Y axis Separately views with 400 times magnification, or Simultaneously 300 times
- > Cutting-edge technology for image processing
- > New developed technology providing strong wind and dust resistance
- > Splicing mode: Auto & Manual & Full-Auto
- > USB Port
- > Storing 6,000 groups of latest splice results
- > New technology of fiber core alignment, enhanced accuracy
- > New 3-in-1 cutting fixture for rubber-insulated wire, pigtail & bare fiber (Patented technology)
- > New Multipurpose 1+N fixture (Patented technology)
- \* 1+N: one 3-in-1 fixture (for rubber-insulated wire, fiber optic pigtail, bare fiber) & optional fixtures (for SC/LC/FC connector- T-207XF).





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### TECHNICAL SPECIFICATION

Applicable FibersSM, MM, NZ-DS, EDF, Pigtail, Cable (rubber-insulated wire) SC/LC/FC connector (optional function)Average Splice Loss0.02dB(SM), 0.04dB(NZDS), 0.04dB(EDF)Return Loss≥60dBTension Test2.0N(200gf)(Standard)Typical splicing time10 secondsTypical heating time30 secondsSplicing Program50 groupsProtection Sleeve Length20mm, 40mm, 60mmOperating LanguageChinese, English, French, Portuguese, SpanishOperating Conditions-10~+50°C(operation temperature),0~95% RH(humidity), 0~5000m(altitude)Power SupplyAC adaptor: 100~240V input voltage, 50/60Hz; 12V, 5A output voltage(DC) Inner lithium battery: 11.1V, 5.2Ah, 57.72WhMonitor5 inches high resolution colorful LCD displayStorage of Splice Result6,000 groups of latest splice resultsSplicing ModelAuto & Manual & Full AutoOptical Fiber Fixture3-in-1 cutting fixture; Multipurpose 1+N fixture (T-207XF, for SC/LC/FC connector)Dimensions130(W)*135(D)*130(H)mm; Package size: 53*32*30cmWeight2.21kg+0.37kg (battery weight)=2.58kg;			
Return Loss≥60dBTension Test2.0N(200gf)(Standard)Typical splicing time10 secondsTypical heating time30 secondsSplicing Program50 groupsProtection Sleeve Length20mm, 40mm, 60mmOperating LanguageChinese, English, French, Portuguese, SpanishOperating Conditions-10~+50°C(operation temperature),0~95% RH(humidity), 0~5000m(altitude)Power SupplyAC adaptor: 100~240V input voltage, 50/60Hz; 12V, 5A output voltage(DC) Inner lithium battery: 11.1V, 5.2Ah, 57.72WhMonitor5 inches high resolution colorful LCD displayFiber Image MagnificationX or Y axis Separately views 400 times magnification, or Simultaneously 300 timesStorage of Splice Result6,000 groups of latest splice resultsSplicing ModelAuto & Manual & Full AutoOptical Fiber Fixture3-in-1 cutting fixture; Multipurpose 1+N fixture (T-207XF, for SC/LC/FC connector)Dimensions130(W)*135(D)*130(H)mm; Package size: 53*32*30cm	Applicable Fibers		
Tension Test Typical splicing time Typical heating	Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)	
Typical splicing time Typical heating time 30 seconds  Splicing Program 50 groups  Protection Sleeve Length Operating Language Chinese, English, French, Portuguese, Spanish Operating Conditions -10~+50°C(operation temperature),0~95% RH(humidity), 0~5000m(altitude)  Power Supply AC adaptor: 100~240V input voltage, 50/60Hz; 12V, 5A output voltage(DC) Inner lithium battery: 11.1V, 5.2Ah, 57.72Wh  Monitor 5 inches high resolution colorful LCD display  X or Y axis Separately views 400 times magnification, or Simultaneously 300 times  Storage of Splice Result Splicing Model Auto & Manual & Full Auto Optical Fiber Fixture Dimensions 130(W)*135(D)*130(H)mm; Package size: 53*32*30cm	Return Loss	≥60dB	
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Splicing Program  Protection Sleeve Length  Operating Language  Chinese, English, French, Portuguese, Spanish  Operating Conditions  Power Supply  AC adaptor: 100~240V input voltage, 50/60Hz; 12V, 5A output voltage(DC) Inner lithium battery: 11.1V, 5.2Ah, 57.72Wh  Monitor  S inches high resolution colorful LCD display  Fiber Image Magnification  X or Y axis Separately views 400 times magnification, or Simultaneously 300 times  Storage of Splice Result  Splicing Model  Auto & Manual & Full Auto  Optical Fiber Fixture  Jain-1 cutting fixture; Multipurpose 1+N fixture (T-207XF, for SC/LC/FC connector)  Dimensions  50 groups  Chinese, English, French, Portuguese, Spanish  20mm, 40mm, 60mm  Chinese, English, French, Portuguese, Spanish  Action Allowide, Portuguese, Spanish  Action Allowide, Spanish  Chinese, English, French, Portuguese, Spanish  Action Allowide, Spanish  Action Allowide, Spanish  Auto & Manual & Full Auto  Optical Fiber Fixture  Jain-1 cutting fixture; Multipurpose 1+N fixture (T-207XF, for SC/LC/FC connector)  Dimensions  130(W)*135(D)*130(H)mm; Package size: 53*32*30cm	Typical splicing time	10 seconds	
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	Optical Fiber Fixture	3-in-1 cutting fixture; Multipurpose 1+N fixture (T-207XF, for SC/LC/FC connector)	
Weight 2.21kg+0.37kg (battery weight)=2.58kg;	Dimensions	130(W)*135(D)*130(H)mm; Package size: 53*32*30cm	
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## RELEVANT SOLUTIONS

No.	Item	Quantity
1	Machine T-207X	1
2	Fiber Cleaver	1
3	Fiber Stripper	1
4	AC Adaptor (Charger)	1
5	Battery	1
6	Spare Electrodes	1
7	Cooling Tray	1
8	Instruction CD	1
9	Quick Reference Guide	1
10	Rubber-insulated wire stripping pliers	1
11	Rubber-insulated wire 3-in- 1 cutting fixture	1
12	Carrying Case with Carrying Strap	1







# **FUSION**

## **Hi-Precision Digital Fusion Splicer T-207X**

# **PICTURES**









