### ACTIVE BLADE MANAGEMENT technology

# Mass Fusion Splicer Kit 41R

Smart Management

USE

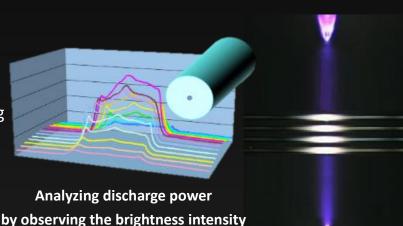
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## **F**Fujikura

Fruithura RSU3

### **Mass Fusion Technology**

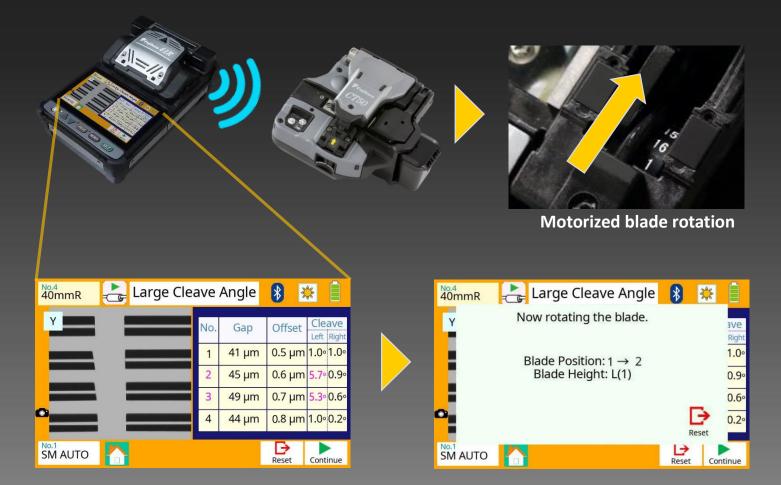
The 41R mass fusion splicer has a wide heating area for up to 4 fibers. The wide electrode gap melts the fibers uniformly and has real-time discharge power control by analyzing the fiber's brightness intensity. The 41R does not have active core alignment mechanisms, however, during the discharge, the effects of fiber surface tension minimize preexisting offsets.



### **Active Blade Management Technology**

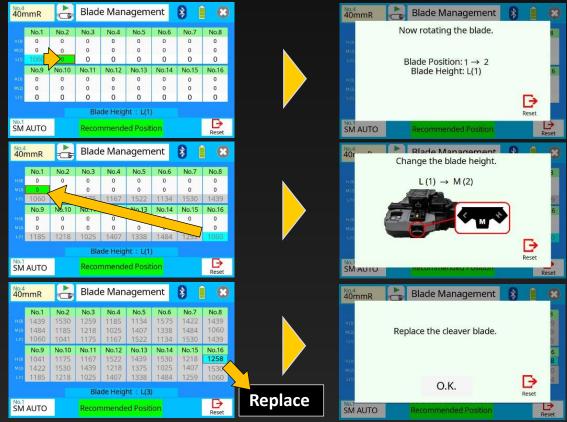
#### **1. Automatic Blade Rotation**

The 41R fusion splicer and CT50 fiber cleaver are enabled with wireless data connectivity. This capability allows automatic cleaver blade rotation when the splicer judges the blade is worn.



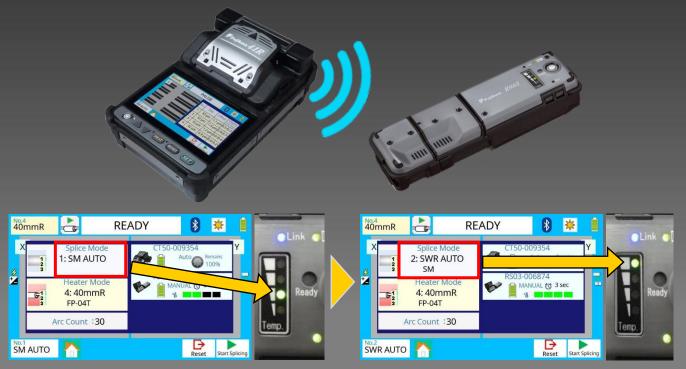
#### 2. Blade Life Management

The 41R fusion splicer displays the remaining blade life and informs the user when a blade height change, position change, or new blade is required.



#### **3. Stripping Condition Control**

When the user changes the splice mode, e.g. from 4 fiber ribbon splice mode to SWR fiber splice mode, the ribbon stripper RS03 automatically changes its heating temperature and time with a wireless command from the splicer.



Heat temperature changes in accordance with Splice mode

### **Universal Features**

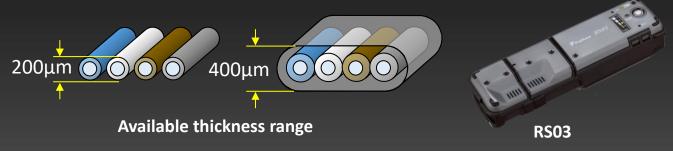
#### **1. Universal Fiber Holder**

The FH-70-4 fiber holder is compatible with many types of fiber ribbon, such as 0.3mm or 0.4mm thick encapsulated ribbons and 200 $\mu$ m or 250 $\mu$ m coated Spider Web Ribbon (SWR). The 250  $\mu$ m pitch V-grooves in the FH-70-4 fiber holder simplify SWR loading and ribbon preparation.



#### 2. Universal Ribbon Stripper

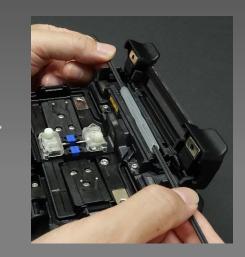
The RS series ribbon strippers are compatible with 200  $\mu$ m to 400 $\mu$ m coated fibers without replacing the stripper blades.



#### 3. Universal Tube Heater

The 41R mass fusion splicer can accommodate a max 6.0mm diameter heat sleeve before shrinking. As a result, it supports a wide range of protection sleeve sizes.





### **User Friendly**

#### **1. Simple sleeve centering**

The 41R mass fusion splicer features simple sleeve positioning with its designated centering area on top of the tube heater. Reference position Splice point Splice point Grab spliced fiber

#### 2. Easy Maintenance

The CT50 fiber cleaver has a user replaceable blade and rubber clamps - there's no need to send the device to a service center for blade or clamp replacement.



#### **3. Lower Stripping Force**

The RS series ribbon stripper has an ergonomic design and requires lower stripping force than the previous stripper.



Ergonomic Design



**Reference position** 

### Standard Package 41R Standard package

| Item   | Model                    | Qty    |
|--|--------------------------|--------|
| Mass Fusion Splicer  | 41R                      | 1 pc   |
| (1) Battery Pack *   | BTR-11A                  | 1 pc   |
| (2) AC Adapter   | ADC-19A                  | 1 pc   |
| (3) AC Power Cord  | ACC-08, 09, 10, 11 or 12 | 1 pc   |
| (4) USB Cable  | USB-01                   | 1 pc   |
| (5) Electrodes, for spare  | ELCT2-16B                | 1 pair |
| (6) V-groove Cleaning Brush                                      | VCB-01                   | 1 pc   |
| (7) Carrying Case  | CC-36                    | 1 pc   |
| (8) Work tray  | WT-08                    | 1 pc   |
| (9) Tripod Screw   | TS-03                    | 1 pc   |
| (10) Carrying Case Strap   | ST-03                    | 1 pc   |
| (11) Alcohol Dispenser   | AP-02                    | 1 pc   |
| (12) Quick Reference Guide                                       | QRG-04-E                 | 1 pc   |
| Single Fiber Stripper  | SS03 or SS01             | 1 pc   |
| Ribbon Fiber Stripper  | RS03                     | 1 pc   |
| (1) Battery Pack *   | BTR-12A                  | 1 pc   |
| (2) AC Adapter   | ADC-09A                  | 1 pc   |
| (3) AC Power Cord  | ACC-08, 09, 10, 11 or 12 | 1 pc   |
| (4) Blade Cleaning Brush   | BRS-02                   | 1 pc   |
| (5) Hexagonal Wrench   | HEX-01                   | 1 pc   |
| Optical Fiber Cleaver  | CT50                     | 1 pc   |
| (1) Fiber Scrap Collector  | FDB-05                   | 1 pc   |
| (2) Fiber Setting Plate  | AD-10-M24                | 1 pc   |
| (3) Case   | CC-37                    | 1 pc   |
| (4) Hexagonal Wrench   | HEX-01                   | 1 pc   |
| * Please follow IATA regulation when shipping the battery by air |                          |        |



Please follow IATA regulation when shipping the battery by air.



### **Specifications**



### **41R Specifications**

| Prober anglinitem intention         with surface meiling tension           Fiber count can be spliced         Up to 4 fiber ribbon           Applicable<br>(biber         Fiber type         Single mode optical fiber           Applicable<br>coating         Fiber holder         Coating shape.: Refer to options           Applicable<br>coating         Fiber holder         Coating shape.: Refer to options           Fiber splice         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           TU-T G.655 : Avg. 0.05dB         ITU-T G.655 : Avg. 0.05dB           Fiber splice         Splice time *2         SM FAST mode : Avg. 0 to 12sec.           Applicable<br>performance         Splice time *2         SM AUTO mode : Avg. 15 to 18sec.           Applicable<br>protection         Sleeve length         Max. 60mm before shrinking           Sleeve heat<br>performance         Heat time *3         40mm FP-04T mode : Avg. 25 to 27sec.           Fiber tensile test force         Approx. 2000 splices         5           Physical         Dimensions W         Approx.201m without projection           Dimensions D         Approx.11m without projection         1           Physical         Dimensions D         Approx.2000 splices           Environmental<br>condition         Temperature         Operate : 10 to 50 degreeC           Type         Recharege: 0 to 40   | lt                     | em              | Specification                         |
|--|------------------------|-----------------|---------------------------------------|
| Fiber count can be spliced         Up to 4 fiber ribbon           Applicable<br>fiber         Fiber type         Single mode optical fiber           Applicable<br>coating         Fiber holder         Coating shape: : Refer to options           Applicable<br>coating         Fiber holder         Coating shape: : Refer to options           Fiber splice<br>performance         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           TU-T G.653 : Avg. 0.08dB         ITU-T G.653 : Avg. 0.08dB           TU-T G.655 : Avg. 0.08dB         ITU-T G.655 : Avg. 0.08dB           TU-T G.655 : Avg. 0.08dB         ITU-T G.655 : Avg. 0.08dB           TU-T G.655 : Avg. 0.08dB         ITU-T G.655 : Avg. 0.08dB           TU-T G.655 : Avg. 0.08dB         ITU-T G.655 : Avg. 0.05dB           Splice time *2         SM AUTO mode : Avg. 15 to 18sec.           Applicable         Sleeve type         Heat shrinkable sleeve           Sleeve heat         Heat time *3         40mm FP-04T mode : Avg. 25 to 27sec.           Fiber tensile test force         Approx.20N         Sleeve           Electrode life *4         Dimensions D         Approx.21mm without projection           Dimensions D         Approx.20mm without projection         Dimensions D           Dimensions D         Approx.12mm without projection         Operate : 0 to 95% RH non-condensing <t< td=""><td colspan="2"></td><td>Self cladding alignment</td></t<> |                        |                 | Self cladding alignment               |
| Applicable<br>fiber         Fiber type         Single mode optical fiber           Applicable<br>coating         Fiber holder         Coating shape. : Refer to options           Applicable<br>coating         Fiber holder         Coating shape. : Refer to options           Fiber spice<br>performance         Splice loss *1         TU-T G.652 : Avg. 0.05dB           TU-T G.655 : Avg. 0.08dB         TU-T G.653 : Avg. 0.08dB           TU-T G.657 : Avg. 0.08dB         TU-T G.657 : Avg. 0.08dB           Applicable<br>performance         SM FAST mode: Avg. 10 to 12sec.           SM AUTO mode : Avg. 10 to 12sec.         SM AUTO mode : Avg. 10 to 12sec.           Sigleeve type         Heat shrinkable sleeve           Sleeve heat<br>performance         Heat time *3           Performance         Heat time *3           Electrode life *4         Approx. 2000 splices           Physical<br>description         Dimensions D         Approx. 2000 splices           Dimensions D         Approx. 12kg including battery           Operate : 0 to 95%RH non-condensing           Condition         Approx. 140 solice and theat cycles           Environmental<br>condition         Comport. 140 splice and heat cycles           Condition         Approx. 12kg including battery           Type         Recharge 2: 0 to 95%RH non-condensing           Act adaptor <td colspan="2">Fiber alignment method</td> <td></td>              | Fiber alignment method |                 |                                       |
| Applicable<br>fiber         Holer type         Multi mode optical fiber           fiber         Cladding dia.         Approx.125µm         Approx.125µm           Applicable<br>coating         Fiber holder         Coating shape: Refer to options           Fiber splice         Fiber holder         Cleave length: Approx.10mm           Fiber splice         Splice loss *1         ITU-T G.651 : Avg. 0.08dB           TU-T G.655 : Avg. 0.08dB         ITU-T G.655 : Avg. 0.08dB           Applicable         Splice time *2         SM FAST mode: Avg. 10 to 12sec.           Splice time *2         SM FAST mode: Avg. 10 to 12sec.           Sleeve length         Max. 66mm           sleeve dia         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Priormance         Sleeve dia.         Max. 66mm           Sleeve heat         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Priormance         Dimensions W         Approx.100 splices           Dimensions W         Approx.2000 splices           Physical         Dimensions H         Approx.131mm without projection           Dimensions H         Approx.201mw without projection           Dimensions H         Approx.12kg H non-condensing           Attitude         Max.3700m           AC adaptor         <   | Fiber count can be     | spliced         |                                       |
| fiber         Cladding dia.         Approx.125µm           Applicable<br>coating         Fiber holder         Coating shape.: Refer to options           Applicable<br>coating         Fiber holder         Coating shape.: Refer to options           Fiber splice         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           Fiber splice         Splice time *2         SM FAST mode: Avg. 10.08dB           Splice time *2         SM FAST mode: Avg. 10 to 12sec.           Applicable<br>protection         Sleeve type         Heat shrinkable sleeve           Sleeve heat<br>performance         Sleeve length         Max. 60mm before shrinking           Sleeve heat<br>pefformance         Single 60mm mode: Avg. 25 to 30sec.           Partorable test force         Approx. 20N           Electrode life *4         Approx. 20N           Electrode life *4         Approx. 20N           Physical<br>description         Dimensions D         Approx.79mm without projection           Weight         Approx.131mm without projection         Dimensions H           Aptrox.12kg including battery         Operate : -10 to 50 degreeC           Environmental<br>condition         Temperature         Operate : -10 to 50 degreeC           Temperature         Coacacity *5 Approx. 140 splice and heat cycles           Temperature         Temperature   | Applicable             | Fiber type      |                                       |
| Clading dia.         Approx 125µm           Applicable<br>coating         Fiber holder         Coating shape: . Refer to options<br>Cleave length : Approx. 10mm           Fiber splice<br>performance         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           Splice time *2         SM FAST mode : Avg. 10 to 12sec.           Splice time *2         SM FAST mode : Avg. 10 to 12sec.           Applicable<br>protection         Sleeve type         Heat shrinkable sleeve           Sleeve total         Max. 60mm           Sleeve total         Approx. 2000 splices           Single 60mm mode: Avg. 29 to 30sec.         Single 60mm mode: Avg. 29 to 30sec.           Pretortensile test force         Approx. 2000 splices           Dimensions W         Approx. 201mm without projection           Physical         Dimensions H         Approx. 201mm without projection           Meriative         Operate : -10 to 50 degreeC           Environmental         Cadaptor         Input           AC100 to 240V, 50/60Hz, Max. 1.5A         Type           Rechargeable Lithium Ion         Output           AC100 to 240V, 50/60Hz, Max. 1.5   |                        |                 |                                       |
| coating         Fiber Induct         Cleave length : Approx. 10mm           Fiber splice<br>performance         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           Fiber splice<br>performance         Splice loss *1         ITU-T G.651 : Avg. 0.08dB           Applicable<br>protection         Splice time *2         SM AUTO mode : Avg. 10 to 12sec.           Splice time *2         SM AUTO mode : Avg. 10 to 12sec.           Splice time *2         SM AUTO mode : Avg. 29 to 30sec.           Steeve heat<br>performance         Heat time *3           Sleeve heat<br>performance         Heat time *3           Single 60mm mode: Avg. 29 to 30sec.           Fiber tensile test force         Approx. 200N splices           Electrode life *4         Dimensions W           Physical<br>description         Dimensions M           Meight         Approx. 200N splices           Environmental<br>condition         Temperature           Adaptor         Input           Action 0 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium ton           Autitude         Max.300m           Act adaptor         Input           Action 0 240V, 50/60Hz, Max. 1.5A           Type         Recharge : 0 to 95%RH non-condensing           Output         Approx. 140 splice and heat cycles </td <td></td> <td>Cladding dia.</td> <td></td>  |                        | Cladding dia.   |                                       |
| Coating         Cleave length : Approx. 10mm           Fiber splice<br>performance         Splice loss *1         ITU-T G.652 : Avg. 0.05dB           Fiber splice<br>performance         Splice loss *1         ITU-T G.651 : Avg. 0.08dB           Splice time *2         SM FAST mode : Avg. 0 to to 12sec.           Splice time *2         SM FAST mode : Avg. 10 to 12sec.           Applicable<br>protection         Sleeve length         Max. 66mm           Sleeve heat<br>performance         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Fiber tensile test force         Approx. 2000 splices           Fiber tensile test force         Approx. 2000 splices           Dimensions D         Approx. 12kg including battery           Operate : 10 to 50 degreeC         Storage : 40 to 80 degreeC           Environmental<br>condition         Tippe         Rechargeable Lithium Ion           Output         Approx. 12kg including battery           Operate : 0 to 95%RH non-condensing         Capacity *5           Approx. 10 to 50 degreeC         Temperature           Type         Rechargeable Lithiu  |                        | Fiber holder    |                                       |
| Fiber splice<br>performance         Splice loss *1         ITU-T G.651 : Avg. 0.08dB           Fiber splice<br>performance         Splice loss *1         ITU-T G.655 : Avg. 0.08dB           Splice time *2         SM FAST mode : Avg. 10 to 12sec.           Applicable<br>protection         Sleeve type         Heat shrinkable sleeve           Sleeve length         Max. 60mm before shrinking           Sleeve heat<br>performance         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Performance         Heat time *3         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 20N         Performance           Physical         Dimensions W         Approx.201m without projection           Dimensions D         Approx.201m without projection         Dimensions U           Weight         Approx.12kg including battery           Veright         Operate : 10 to 50 degreeC           Temperature         Storage : 0 to 95%RH non-condensing           Actitude         Max. 3700m           AC adaptor         Input         Actio0 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14 4V, 3190mAh           Capacity *5         Approx. At 0splice and heat cycles           Temperature         LCD monitor <td>coating</td> <td></td> <td>Cleave length : Approx. 10mm</td>                                   | coating                |                 | Cleave length : Approx. 10mm          |
| Fiber splice<br>performance         Splice loss *1         ITU-T G.655 : Avg. 0.08dB<br>ITU-T G.657 : Avg. 0.08dB           Applicable<br>protection         Sleeve type         Heat shrinkable sleeve         SM FAST mode : Avg. 10 to 12sec.           Applicable<br>protection         Sleeve type         Heat shrinkable sleeve         Sm FAST mode : Avg. 15 to 18sec.           Applicable         Sleeve length         Max. 60mm         Max. 60mm           sleeve heat         Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Performance         Dimensions W         Approx. 20N           Electrode life *4         Approx. 2000 splices           Dimensions D         Approx.12mm without projection           Dimensions D         Approx.12mm without projection           Dimensions H         Approx.12mm without projection           Weight         Approx.12mm without projection           Meight         Approx.12mm without projection           Attitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. At 0 splice and heat cycles           Temperature         Capacity *5         Approx. 140 splice and heat cycles           Temperature         Capacity *5         Approx. 140  |                        |                 |                                       |
| Proof splice<br>performance         ITU-T G.655 : Avg. 0.08dB           Splice time *2         SM AUTO mode : Avg. 10 to 12sec.           Applicable<br>protection         Sleeve length         Max. 66mm           sleeve         Sleeve length         Max. 66mm           sleeve         Sleeve length         Max. 60mm before shrinking           Sleeve heat<br>performance         Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Sleeve heat<br>performance         Heat time *3         40mm FP-04T mode : Avg. 29 to 27sec.           Fiber tensile test force         Approx. 20N         Electrode life *4           Approx.2000 splices         Dimensions W         Approx.201mm without projection           Dimensions H         Approx.131mm without projection         Dimensions H           description         Dimensions H         Approx.70mm without projection           Weight         Approx.12kg including battery           Temperature         Operate : 0 to 95%RH non-condensing           Condition         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx.140 splice and heat cycles           Temperature         Capacity *5         Approx.140 splice and heat cycles           Display         LCD monitor         TFT 4.9 inc  |                        |                 |                                       |
| performance         ITU-T G 657 : Avg. 0.08dB           Splice time *2         SM FAST mode : Avg. 10 to 12sec.           Applicable         Sleeve type         Heat shrinkable sleeve           protection         Sleeve length         Max. 60mm           sleeve         Sleeve length         Max. 60mm before shrinking           Sleeve heat         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           performance         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Fiber tensile test force         Approx. 2000 splices           Physical         Dimensions D         Approx.201m without projection           Dimensions D         Approx.201m without projection           Dimensions H         Approx.201m without projection           Weight         Approx.131mm without projection           Weight         Approx.12kg including battery           Coperate : -10 to 50 degreeC           Environmental condition         Tupe           Attitude         Max. 3700m           AC adaptor         Input           ACtio to 240V, 50/60Hz, Max. 1.5A           Type         Recharge : 0 to 40 degreeC           Temperature         Capacity *5           Display         Capacity *5           Ibagprox. DC14.4V, 3190mAh     <  | Fiber splice           | Splice loss *1  | ITU-T G.653 : Avg. 0.08dB             |
| Applicable         Splice time *2         SM AUTO mode : Avg. 10 to 12sec.           Applicable         Sleeve type         Heat shrinkable sleeve           protection         Sleeve length         Max. 66mm           sleeve         Sleeve length         Max. 6.0mm before shrinking           Sleeve heat         Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Performance         Approx.2000 splices         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx.2000 splices         Dimensions W           Physical         Dimensions H         Approx.201m without projection           description         Dimensions H         Approx.7amm without projection           Weight         Approx.7um without projection           Veight         Approx.12kg including battery           Temperature         Operate : -10 to 50 degreeC           Environmental         Temperature         Storage : -0 to 95% RH non-condensing           Attitude         Max. 3700m         Act 100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion         Output           Approx. DC14.4V, 3190mAh         Capacity *5         Approx.140 splice and heat cycles           Temperature         LCD monitor         TFT 4.9 inches with touch screen <td< td=""><td></td><td></td><td></td></td<>  |                        |                 |                                       |
| Splice time 2         SM AUTO mode : Avg. 15 to 18sec.           Applicable<br>protection<br>sleeve         Sleeve type         Heat shrinkable sleeve           Sleeve length         Max. 60mm           Sleeve heat<br>performance         Heat time *3           Physical<br>description         Heat time *3           Dimensions W         Approx. 2000 splices           Electrode life *4         Approx. 2000 splices           Dimensions D         Approx.201mm without projection           Dimensions D         Approx.201mm without projection           Weight         Approx.201mm without projection           Weight         Approx.12kg including battery           Operate : 10 to 50 degreeC         Storage : -40 to 80 degreeC           Humidity         Storage : 0 to 95%RH non-condensing           Altitude         Max. 3700m           AC adaptor         Input         Action 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx.140 splice and heat cycles           Temperature         Capacity *5           Display         LCD monitor           Interface         External           USB2.0 Mini B type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetonth 4.1 L  | periornanee            |                 |                                       |
| Applicable<br>protection         Sile type         Heat shrinkable sleeve           Sileeve length         Max. 60mm         Max. 60mm           Sileeve heat<br>performance         Heat time *3         Single 60mm mode: Avg. 29 to 30sec.           Fiber tensile test force         Approx. 20N         Single 60mm mode: Avg. 29 to 30sec.           Fiber tensile test force         Approx. 20N         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 20N         Single 60mm without projection           Dimensions W         Approx. 20N         Single 60mm without projection           Bescription         Dimensions D         Approx.131mm without projection           Weight         Approx.79mm without projection         Dimensions H           Mutility         Operate: -10 to 50 degreeC         Corage : -40 to 80 degreeC           Humidity         Storage : 0 to 95%RH non-condensing         Torage: -40 to 80 degreeC           Atitude         Max. 3700m         Act 100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion         Output           Approx. 140 splice and heat cycles         Capacity *5           Approx. 140 splice and heat cycles         Capacity *5           Type         Recharge: 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen  |                        | Splice time *2  | SM FAST mode : Avg. 10 to 12sec.      |
| protection<br>sleeve         Sleeve length<br>Sleeve dia.         Max. 66mm           Sleeve heat<br>performance         Heat time *3<br>Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Fiber tensile test force         Approx. 20N         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 2000 splices           Physical<br>description         Dimensions W         Approx. 2000 splices           Physical<br>description         Dimensions D         Approx.201mm without projection           Weight         Approx.12kg including battery           Operate : 10 to 50 degreeC         Temperature           Fiber 2         Temperature         Storage : 0 to 95%RH non-condensing           Attitude         Max. 3700m         Ac100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium lon         Output           Approx. DC14.4V, 3190mAh         Capacity *5         Approx. 140 splice and heat cycles           Temperature         Rechargeable Lithium lon         Capacity *5         Approx. 20 to 30 degreeC           Display         LCD monitor         TFT 4.9 inches with touch screen         LD approx. 20 to 30 degreeC           Illumination         V-grooves         LED lamp         Approx. 20 to 30 degreeC         LD approx. 20 to 30 degreeC           Display         LCD monitor <td></td> <td></td> <td></td>                      |                        |                 |                                       |
| sleeve         Sleeve dia.         Max. 6.0mm before shrinking           Sleeve heat<br>performance         Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Single 60mm mode: Avg. 25 to 27sec.         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 20N           Electrode life *4         Approx. 2000 splices           Physical         Dimensions D         Approx.201mm without projection           description         Dimensions H         Approx.131mm without projection           Weight         Approx.12kg including battery           Operate : -10 to 50 degreeC         Storage : -40 to 80 degreeC           Environmental<br>condition         Humidity         Operate : 0 to 95%RH non-condensing           Attitude         Max. 3700m         AC 100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion         Output           Output         Approx.12kg including battery         Compare 200 to 30 degreeC           Temperature         Temperature         Recharge : 0 to 95%RH non-condensing           Battery pack         Capacity *5         Approx.12kg including battery           Display         LCD monitor         TFT 4.9 inches with touch screen           Display         Magnification         Approx.200 type           LED lamp   |                        | Sleeve type     |                                       |
| Sleeve heat<br>performance         Heat time *3         40mm FP-04T mode : Avg. 29 to 30sec.           Fiber tensile test force         Approx. 20N         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 2000 splices           Physical<br>description         Dimensions W         Approx.2000 splices           Physical<br>description         Dimensions D         Approx.201mm without projection           Prove test in the system         Merget Approx.12kg including battery           Temperature         Operate : -10 to 50 degreeC           Finition         Temperature         Operate : -0 to 95%RH non-condensing           Altitude         Max. 3700m         Max. 1.5A           Act adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion         Output           Output         Approx. 140 splice and heat cycles           Temperature         Recharge : 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 201 kg 63X           Illumination         V-grooves         LED lamp           PC         USB2.0 A type           LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. DC5V, 500mA      <   |                        | Sleeve length   | Max. 66mm                             |
| performance         Heat time "3         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 2.0N         Approx. 2.0N           Electrode life *4         Approx. 2000 splices           Dimensions W         Approx. 2000 splices           Physical         Dimensions D         Approx. 201mm without projection           description         Dimensions H         Approx. 79mm without projection           Environmental condition         Temperature         Operate : -10 to 50 degreeC           Fusion         Temperature         Operate : 0 to 95%RH non-condensing           Attitude         Max. 3700m         Act adaptor           Act adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14.4V, 3190mAh           Battery pack         Capacity *5         Approx. 140 splice and heat cycles           Temperature         LoD monitor         TFT 4.9 inches with touch screen           Display         LCD monitor         TFT 4.9 inches with touch screen           Interface         External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA         External           USB2.0 A type         LED lamp         Approx. DC5V, 500mA <t< td=""><td></td><td>Sleeve dia.</td><td>Max. 6.0mm before shrinking</td></t<>   |                        | Sleeve dia.     | Max. 6.0mm before shrinking           |
| performance         Single 60mm mode: Avg. 25 to 27sec.           Fiber tensile test force         Approx. 2.0N           Electrode life *4         Approx. 2000 splices           Physical<br>description         Dimensions W         Approx.131mm without projection           Weight         Approx.1200n splices           Environmental<br>condition         Temperature         Operate : -10 to 50 degreeC           Humidity         Storage : -40 to 80 degreeC           Attitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. 140 splice and heat cycles           Temperature         Coperate: 0 to 95%RH non-condensing           Attitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. 40 to 40 degreeC           Temperature         Long Term Storage : -20 to 30 degreeC           Temperature         Long Term Storage : -20 to 30 degreeC           Display         LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves  |                        | Heat time *3    |                                       |
| Electrode life *4       Approx. 2000 splices         Physical<br>description       Dimensions W       Approx.131mm without projection         Dimensions D       Approx.201mm without projection         Dimensions H       Approx.201mm without projection         Dimensions H       Approx.1.2kg including battery         Operate : -10 to 50 degreeC       Temperature         Function       Temperature         Altitude       Max.3700m         AC adaptor       Input       AC100 to 240V, 50/60Hz, Max. 1.5A         Type       Rechargeable Lithium Ion         Output       Approx. DC14.4V, 3190mAh         Capacity *5       Approx.140 splice and heat cycles         Temperature       Rechargeable Lithium Ion         Output       Approx. DC14.4V, 3190mAh         Capacity *5       Approx.140 splice and heat cycles         Temperature       Recharge: 0 to 40 degreeC         Long Term Storage : -20 to 30 degreeC       Long Term Storage : -20 to 30 degreeC         Display       LCD monitor       TFT 4.9 inches with touch screen         Magnification       Approx. DC5V, 500mA         Illumination       V-grooves       LED lamp         PC       USB2.0 Mini B type         LED lamp       Approx. DC5V, 500mA  |                        |                 | Single 60mm mode: Avg. 25 to 27sec.   |
| Physical<br>descriptionDimensions WApprox.131mm without projectionDimensions DApprox.201mm without projectionDimensions HApprox.79mm without projectionWeightApprox.1.2kg including batteryPervironmental<br>conditionTemperatureTemperatureOperate : -10 to 50 degreeCHumidityOperate : 0 to 95%RH non-condensingAltitudeMax. 3700mAC adaptorInputAC adaptorInputAct adaptorInputAct adaptorNayeRechargeable Lithium IonOutputApprox. DC14.4V, 3190mAhCapacity *5Approx. 140 splice and heat cyclesTemperatureRecharge: 0 to 40 degreeCDisplayLCD monitorIlluminationV-groovesLED IampApprox. 205V, 500mAWireless *7Bluetoth 4.1 LESplice mode100 splice modesApprox. DC5V, 500mAWireless *7Bluetoth 4.1 LESplice modesSplice result10000 splicesSplice image100 imagesScrew hole for tripod1/4-20UNCOtherAutomatic<br>functionsOtherAutomatic<br>functionsFusion power calibrationSplice rount analysisFusion power calibrationSplice image  |                        | orce            |                                       |
| Physical<br>descriptionDimensions DApprox.201mm without projectionDimensions HApprox.79mm without projectionWeightApprox.1.2kg including batteryPerson Provided Storage : -10 to 50 degreeCTemperatureStorage : -10 to 50 degreeCHumidityOperate : 0 to 95%RH non-condensingAttitudeMax. 3700mAC adaptorInputAC100 to 240V, 50/60Hz, Max. 1.5ATypeRechargeable Lithium IonOutputApprox. DC14.4V, 3190mAhBattery packCapacity *5Approx. 140 splice and heat cyclesTemperatureRecharge : 0 to 40 degreeCLCD monitorTFT 4.9 inches with touch screenDisplayMagnificationApprox. 201mInterfaceExternalUSB2.0 Mini B typePCUSB2.0 Mini B typeLED lampApprox. DC5V, 500mAWireless *7Bluetoth 4.1 LESplice mode30 heat modesSplice result10000 splicesSplice image100 imagesScrew hole for tripod1/4-20UNCOtherAutomatic<br>functionsOtherAutomatic<br>functionsFusion power calibrationSplice mode select<br>by fiber count analysisOtherAutomatic<br>fusion power calibration   | Electrode life *4      |                 |                                       |
| descriptionDimensions HApprox.79mm without projectionWeightApprox. 1.2kg including batteryPenvironmental<br>conditionTemperatureOperate : -10 to 50 degreeCHumidityOperate : 0 to 95%RH non-condensingAC adaptorInputAC100 to 240V, 50/60Hz, Max. 1.5AAC adaptorInputAC100 to 240V, 50/60Hz, Max. 1.5ABattery packTypeRechargeable Lithium IonOutputApprox. DC14.4V, 3190mAhCapacity *5Approx. 140 splice and heat cyclesTemperatureRecharge : 0 to 40 degreeCDisplayLCD monitorTFT 4.9 inches with touch screenMagnificationApprox. 24 to 66XIlluminationV-groovesLED lampPCUSB2.0 Mini B typeInterfaceExternalUSB2.0 A typeLED lampApprox. DC5V, 500mAWireless *7Bluetooth 4.1 LESplice mode30 heat modesSplice mode30 heat modesSplice image100 imagesScrew hole for tripod1/4-20UNCOtherAutomatic<br>functionsFusion power calibrationSplice count analysisOtherAutomatic<br>functionsFusion power calibrationSplice image   |                        |                 |                                       |
| Weight         Approx. 1.2kg including battery           Environmental condition         Temperature         Operate : -10 to 50 degreeC           Humidity         Operate : 0 to 95%RH non-condensing           Altitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14.4V, 3190mAh           Battery pack         Capacity *5         Approx. 140 splice and heat cycles           Temperature         Recharge : 0 to 40 degreeC           Display         LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           LED lamp         Approx. DCV, 500mA           Wrieless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice mage         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic<br>functions         Splice ount analysis  |                        |                 |                                       |
| PremperatureOperate : -10 to 50 degreeC<br>Storage : -40 to 80 degreeCHumidityOperate : 0 to 95%RH non-condensing<br>Storage : 0 to 95%RH non-condensingAltitudeMax. 3700mAC adaptorInputAC100 to 240V, 50/60Hz, Max. 1.5AMaxTypeRechargeable Lithium IonOutputApprox. DC14.4V, 3190mAhBattery packCapacity *5Approx. DC14.4V, 3190mAhCapacity *5Approx. DC14.4V, 3190mAhDisplayLCD monitorTFT 4.9 inches with touch screenDisplayLCD monitorTFT 4.9 inches with touch screenMagnificationApprox. 44 to 66XIlluminationV-groovesLED lampPCUSB2.0 Mini B typeLED lampApprox. 50%, 500mAWireless *7Bluetooth 4.1 LESplice mode100 splice modesHeat mode30 heat modesSplice result10000 splicesSplice image100 imagesScrew hole for tripod1/4-20UNCOtherAutomatic<br>functionsFusion power calibrationSplice rount analysisOtherFusion power calibration  | description            |                 |                                       |
| Interface         Storage : -40 to 80 degreeC           Environmental<br>condition         Humidity         Operate : 0 to 95%RH non-condensing           Altitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14.4V, 3190mAh           Battery pack         Capacity *5         Approx. DC14.4V, 3190mAh           Capacity *5         Approx. DC14.4V, 3190mAh           Display         LCD monitor         TFT 4.9 inches with touch screen           Display         Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           External         USB2.0 A type           LED lamp         Approx. DCSV, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic<br>functions         Splice ount analysis           Fusion power calibration         Splice mod   |                        | Weight          | Approx. 1.2kg including battery       |
| Environmental condition       Storage : -40 to 80 degreeC         Humidity       Operate : 0 to 95%RH non-condensing         Altitude       Max. 3700m         AC adaptor       Input       AC100 to 240V, 50/60Hz, Max. 1.5A         Max. 3700m       Active adaptor       Type         Battery pack       Type       Rechargeable Lithium Ion         Output       Approx. DC14.4V, 3190mAh       Capacity *5         Approx. DC14.4V, 3190mAh       Capacity *5       Approx. 140 splice and heat cycles         Temperature       Recharge: 0 to 40 degreeC       LO monitor         TFT 4.9 inches with touch screen       Magnification       Approx. 44 to 66X         Illumination       V-grooves       LED lamp         PC       USB2.0 Mini B type       External         LED lamp       Approx. DC5V, 500mA         Wireless *7       Bluetooth 4.1 LE         Splice mode       100 splice modes         Heat mode       30 heat modes         Splice result       10000 splices         Splice image       100 images         Screw hole for tripod       1/4-20UNC         Other       Automatic functions         Fusion power calibration       Splice mode select by fiber count analysis  |                        | Temperature     |                                       |
| condition         Humidity         Operate : 0 to 95%RH non-condensing<br>Storage : 0 to 95%RH non-condensing           Altitude         Max. 3700m           AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14.4V, 3190mAh           Battery pack         Capacity *5         Approx. DC14.4V, 3190mAh           Capacity *5         Approx. DC14.4V, 3190mAh           Display         LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Fusion power calibration         Splice rount analysis   | Environmental          |                 |                                       |
| Altitude     Max. 3700m       AC adaptor     Input     AC100 to 240V, 50/60Hz, Max. 1.5A       Type     Rechargeable Lithium Ion       Output     Approx. DC14.4V, 3190mAh       Battery pack     Capacity *5     Approx. DC14.4V, 3190mAh       Capacity *5     Approx. DC14.4V, 3190mAh       Capacity *5     Approx. 140 splice and heat cycles       Temperature     Recharge: 0 to 40 degreeC       LCD monitor     TFT 4.9 inches with touch screen       Magnification     Approx. 44 to 66X       Illumination     V-grooves     LED lamp       PC     USB2.0 Mini B type       External     USB2.0 A type       LED lamp     Approx. DC5V, 500mA       Wireless *7     Bluetooth 4.1 LE       Splice mode     100 splice modes       Heat mode     30 heat modes       Splice result     10000 splices       Splice image     100 images       Screw hole for tripod     1/4-20UNC       Other     Automatic       functions     Fusion power calibration   |                        | Humidity        |                                       |
| AC adaptor         Input         AC100 to 240V, 50/60Hz, Max. 1.5A           Type         Rechargeable Lithium Ion           Output         Approx. DC14.4V, 3190mAh           Capacity *5         Approx. DC14.4V, 3190mAh           Capacity *5         Approx. 140 splice and heat cycles           Temperature         Recharge : 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           LtcD lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splices           Splice result         10000 splices           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Automatic functions         Fusion power calibration   |                        | -               |                                       |
| TypeRechargeable Lithium IonOutputApprox. DC14.4V, 3190mAhCapacity *5Approx. 140 splice and heat cyclesTemperatureRecharge : 0 to 40 degreeCLong Term Storage : -20 to 30 degreeCDisplayLCD monitorIlluminationV-groovesLED lampPCUSB2.0 Mini B typeLED lampApprox. DC5V, 500mAWireless *7Bluetoth 4.1 LESplice mode100 splice modesHeat mode30 heat modesSplice result10000 splicesSplice image100 imagesScrew hole for tripod1/4-20UNCOtherAutomatic<br>functionsFusion power calibrationSplice count analysisFusion power calibrationSplice mode count analysis   |                        |                 |                                       |
| Output         Approx. DC14.4V, 3190mAh           Battery pack         Capacity *5         Approx. 140 splice and heat cycles           Temperature         Recharge : 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen           Display         Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Fusion power calibration         Splice rount analysis   | AC adaptor             |                 |                                       |
| Battery pack         Capacity *5         Approx. 140 splice and heat cycles           Temperature         Recharge : 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen           Display         Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           LED lamp         Approx. DCSV, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Fusion power calibration         Splice node select<br>by fiber count analysis  |                        |                 |                                       |
| Temperature         Recharge : 0 to 40 degreeC           LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Fusion power calibration         Splice count analysis   | Dottonumenti           |                 | Approx. DC14.4V, 3190mAh              |
| Itemperature         Long Term Storage : -20 to 30 degreeC           Display         LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           Interface         External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic functions           Fusion power calibration         Splice inonge   | Battery pack           | Capacity ^5     | Approx. 140 splice and neat cycles    |
| LCD monitor         TFT 4.9 inches with touch screen           Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           Interface         External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         functions           Fusion power calibration         Splice count analysis  |                        | Temperature     | Recharge : 0 to 40 degreeC            |
| Display         Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           Interface         PC         USB2.0 Mini B type           External         USB2.0 A type           LED lamp         Approx. DC5V, 500mA           Wireless *7         Bluetooth 4.1 LE           Data storage         Splice mode         100 splice modes           Heat mode         30 heat modes         Splice mode           Splice result         10000 splices         Splice mode           Splice image         100 images         Splice mode select           Other         functions         Splice ount analysis           Fusion power calibration         Fusion power calibration   |                        |                 | Long Term Storage : -20 to 30 degreeC |
| Magnification         Approx. 44 to 66X           Illumination         V-grooves         LED lamp           PC         USB2.0 Mini B type           Interface         External         USB2.0 A type           LED lamp         Approx. DCSV, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic functions           Fusion power calibration         Fusion power calibration  | Display                |                 | Approx. 44 to CCV                     |
| PC         USB2.0 Mini B type           Interface         External         USB2.0 A type           LED lamp         Approx. DCSV, 500mA           Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic<br>functions           Fusion power calibration         Splice node select<br>by fiber count analysis  |                        |                 |                                       |
| Interface External USB2.0 A type<br>LED lamp Approx. DC5V, 500mA<br>Wireless *7 Bluetooth 4.1 LE<br>Splice mode 100 splice modes<br>Heat mode 30 heat modes<br>Splice result 10000 splices<br>Splice image 100 images<br>Screw hole for tripod 1/4-20UNC<br>Splice mode select<br>functions Splice round analysis<br>Fusion power calibration  | murnination            |                 |                                       |
| Interface         LED lamp         Approx. DCSV, 500mA           Wireless *7         Bluetooth 4.1 LE           Data storage         Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic           functions         Fusion power calibration   | Interface              |                 |                                       |
| Wireless *7         Bluetooth 4.1 LE           Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Other         Automatic           functions         Fusion power calibration   |                        |                 | 1000000000000000000000000000000000000 |
| Splice mode         100 splice modes           Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Automatic functions         Splice mode select by fiber count analysis           Fusion power calibration         Fusion power calibration  |                        |                 | Bluetooth 4.1 L F                     |
| Data storage         Heat mode         30 heat modes           Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Automatic         Splice node select           functions         Fusion power calibration   |                        |                 |                                       |
| Data storage         Splice result         10000 splices           Splice image         100 images           Screw hole for tripod         1/4-20UNC           Automatic<br>functions         Splice rount analysis           Fusion power calibration         Fusion power calibration  |                        |                 |                                       |
| Splice image         100 images           Screw hole for tripod         1/4-20UNC           Automatic functions         Splice mode select by fiber count analysis           Fusion power calibration         Fusion power calibration   | Data storage           |                 |                                       |
| Screw hole for tripod         1/4-20UNC           Other         Automatic functions         Splice mode select by fiber count analysis           Fusion power calibration         Fusion power calibration   |                        |                 |                                       |
| Other functions Fusion power calibration   | Screw hole for trip    |                 |                                       |
| Other functions Fusion power calibration   |                        |                 |                                       |
| Other Functions Fusion power calibration   |                        |                 |                                       |
|  |                        |                 |                                       |
|  |                        | Reference guide | PDF file stored in splicer            |
| Electrode Replaceable without tool   |                        |                 |                                       |
|  |                        |                 |                                       |

#### **41R Options**

|  | ltem                       | Model       | Remark                      |
|--|----------------------------|-------------|-----------------------------|
|  |                            | FH-70-200   | 200µm coating diameter      |
|  |                            | FH-70-250   | 250µm coating diameter      |
|  |                            | FH-70-900   | 900µm coating diameter      |
|  | Fiber holder               | FH-70-2     | 2 fiber ribbon              |
|  |                            | FH-70-4     | 4 fiber ribbon              |
|  |                            | FH-FC-20    | 900µm in 2mm diameter cable |
|  |                            | FH-FC-30    | 900µm in 3mm diameter cable |
|  |                            | FH-60-LT900 | 900µm loose buffer cable    |
|  | Transfer Clamp CLAMP-DC-12 |             | Transferring drop cable on  |
|  |                            |             | work tray                   |
|  | Protection sleeve          | FP-04(T)    | 40mm up to 8 fiber ribbon   |

Notes

- \*1 Measured with a cut-back method relevant to ITU-T and IEC standard
- after splicing Fujikura identical fibers. The average splice loss changes depending on the environmental condition and fiber characteristics.
  \*2 Measured at room temperature. The definition of splice time is from the fiber image appeared in LCD monitor to the estimated loss displayed. The average splice time changes depending on the environmental conditions, fiber type, and fiber characteristics.
- \*3 Measured at room temperature with the AC adapter. The heat time is defined from the start beep sound to the finish beep sound. The average heat time changes depending on the environmental conditions, sleeve
- type and battery pack condition. \*4 The electrode life changes depending on the environmental conditions, fiber type and splice modes.
- \*5 Test condition
  - (1) Splice and heat time : 2 minutes cycle(2) Using the splicer power save settings

  - (3) Using a not degraded battery
  - (4) At room temperature

The battery capacity changes when testing with a different conditions from the above.

- \*6 The battery capacity decreases to a half after approx. 500 discharge and recharge cycles, The battery life is shortened further when using outside
- of the storage temperature range, operating temperature range, if completely discharged by storing for a long time without recharging. \*7 Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

### **Specifications**



#### **CT50 Specifications**

| Item                    |                     | Specification                             |  |
|-------------------------|---------------------|---|--|
|                         | Fiber type          | Single mode optical fiber                 |  |
| Applicable              | т њег туре          | Multi mode optical fiber                  |  |
| fiber                   | Fiber count         | Up to 16 fiber ribbon                     |  |
|                         | Cladding dia.       | Approx. 125µm                             |  |
|                         |                     | AD-10-M24 : Max. 900µm coating            |  |
| Applicable              | Fiber setting plate | diameter                                  |  |
| coating                 |                     | AD-50 : Max. 3mm coating diameter         |  |
|                         | Fiber holder        | Coating shape. : Refer to splicer options |  |
|                         |                     | AD-10-M24 : 5 to 20mm *1                  |  |
|                         |                     | AD-50 *C.D. : coating diameter            |  |
| Cleave length           | Fiber setting plate | C.D. = 250µm or less : 5 to 20mm *1       |  |
| Cleave length           |                     | 250µm < C.D. < =900µm : 10 to 20mm        |  |
|                         |                     | 900µm < C.D. < =3mm : 14 to 20mm          |  |
|                         | Fiber holder        | Approx. 10mm                              |  |
| Cleave angle *2         | Single fiber        | Avg. 0.3 to 0.9 degrees                   |  |
| Ŭ                       | Fiber ribbon        | Avg. 0.3 to 1.2 degrees                   |  |
| Blade life *3           |                     | Approx. 60000 fiber cleaves               |  |
|                         | Dimensions W        | Approx. 117mm without projection *4       |  |
| Physical                | Dimensions D        | Approx. 94mm without projection *4        |  |
| description             | Dimensions H        | Approx. 59mm without projection *4        |  |
| description             | Weight              | Approx. 306g                              |  |
|                         |                     | including battery and AD-10-M24           |  |
|                         | Temperature         | Operate : -10 to 50 degreeC               |  |
| Environmental condition |                     | Storage : -40 to 80 degreeC               |  |
|                         | Humidity            | Operate : 0 to 95%RH non-condensing       |  |
|                         |                     | Storage : 0 to 95%RH non-condensing       |  |
| Battery                 |                     | 2 pieces of LR03, AAA dry battery         |  |
| Wireless interface *5   |                     | Bluetooth 4.1 LE                          |  |
| Screw hole for tripod   |                     | 1/4-20UNC                                 |  |
| Other<br>features       | Blade rotation      | Motorized rotation                        |  |
|                         |                     | Manual rotation dial                      |  |
|                         | Replaceable         | Blade                                     |  |
|                         | parts               | Clamp arm                                 |  |

#### **CT50 Options**

| Item                     | Model       | Remark                                |
|--------------------------|-------------|---------------------------------------|
| Fiber Setting<br>Plate   | AD-50       | Optional fiber setting plate          |
| Blade                    | CB-08       | Blade for replacement                 |
| Clamp Arm                | ARM-CT50-01 | Clamp arm with anvil for replacement  |
| Fiber Scrap<br>Collector | FDB-05      | Spare scrap collector                 |
| Side cover               | SC-CT50-01  | Side cover instead of scrap collector |
|                          | SPA-CT08-10 | Cleave length 10mm                    |
| Spacer                   | SPA-CT08-09 | Cleave length 9mm                     |
|                          | SPA-CT08-08 | Cleave length 8mm                     |

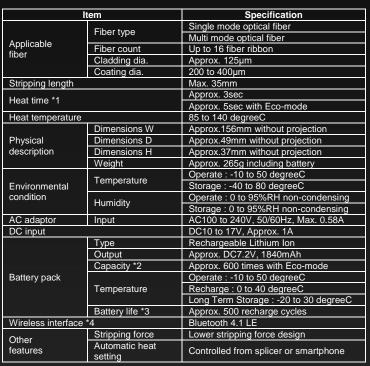
Notes

- \*1 When the cleave length is less than 10mm, the coating diameter should be 250µm or less. Also, a blade height adjustment is required before cleaving. The average cleave angle is worse than the specification when the cleave length is less than10mm.
- \*2 Measured with an interferometer at room temperature, not with a splicer. A new blade was used to cleave both the single fibers and ribbon fibers. The average
- cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness. The blade life changes depending on the environmental conditions, operating method, and the fiber type cleaved. Measured in a condition when closing the lever \*3

\*4

\*5 Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.

#### **RS03 Specifications**



#### **RS03** Options

| Item          | Model Name  | Remark                     |
|---------------|-------------|----------------------------|
| Spacer        | SPA-RS02-08 | Coating length 8mm         |
| DC power cord | DCC-11      | Splicer to ribbon stripper |

#### Notes

- \*1 Measured at room temperature. The heat time changes depending on the environmental conditions and fiber coating type.
- \*2 Tested at room temperature with a not degraded battery and Eco-mode. The number of cycles changes depending on the environmental conditions, stripper settings and battery degrading condition.
- \*3 The battery capacity decreases to a half after approx. 500 discharge and recharge cycles, The battery life is shortened further when using outside of the storage temperature range, operating temperature range, if completely discharged by storing for a long time without recharging.
- \*4 Bluetooth® mark and logos are the registered trademarks of Bluetooth SIG, Inc.



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