



# SUMITOMO ELECTRIC

## T-71M12 ribbon splicer

### T-71M12

Compact, lightweight & fast

Durable, rugged & IP52 compliant

Easy to use with touch screen

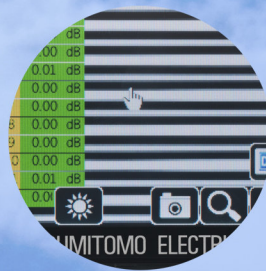
ACAS system for automatic optimisation of fibre positioning



## Highlights



Touch control of fibre clamps for quick fibre realignment



Tools for image capture plus zoom view for close inspection



Splice-on Lynx field termination connectors & Lynx MPO



Fast dual ovens with auto-start for productivity



SD card reader for data, image and video storage



Carrying case includes a practical work platform

# Specification

FIBRE TYPES SPLICED	SMF ITU-T G652, MMF G651, DSF G653, NZDSF G655 & G656 and BIF G657
MEAN INSERTION LOSS*	SM 0.05dB, MM 0.02dB, DS 0.08dB, NZ 0.08dB
FIBRE COUNT	Single fibre and ribbon with 2, 4, 5, 6, 8, 10 or 12 fibres
FIBRE DIAMETER	125um, 250um core pitch for fibre ribbons
COATING DIAMETER	Single fibre: 250um, 500um & 900um. Ribbon 280um to 400um thick
CLEAVE LENGTH (Min)	10mm
DROP CABLE SPLICE**	Max: 3.1 x 2mm outdoor 1 fibre type or 2 x 1.6mm indoor 1 fibre type
ARC CALIBRATION	Arc Test plus automatic arc compensation before each splice
FIBRE HANDLING	Fibre holders with "ACAS" Auto Clamp Adjust System
SPLICE LYNX CONNECTOR	Yes. MPO and standard single fibre types; not Lynx2-Mini types
SPLICE & OVEN PROGRAMS	Splice - 200 max. Oven - 100 max. All programs are user editable
SPLICE TIME	Approx 9s SMF1c, 12s SMF4c and 14s for SMF8c and SMF12c
PROOF TEST	1.96~2.09N (Nominal 200gf)
HEAT SHRINK OVENS	Dual, fully independent ovens, with auto-start on loading the fibre
HEAT SHRINK TIME	Approx 55s for 12c ribbon in 40mm sleeve
SPLICE RESULT STORAGE	10000 splices to internal memory
SPLICE IMAGE STORAGE	64 images without SD card, otherwise limited only by SD card capacity
OPERATING CONDITIONS	-10°C to 50°C, <95% non-condensing humidity, 3600m, 15m/s wind
STORAGE CONDITIONS	-40°C to 80°C, <95% non-condensing humidity
POWER INPUTS	100~240V AC, 50/60Hz, 1.1A with Sumitomo ADC-1430S adaptor
BATTERY	BU-11 4.6Ah, Li-ion, Approx 110 splice & heat cycles for ribbon splices
INTERFACES	Data: USB 2.0 mini. Power output: 12V DC.
STORAGE MEDIA	SD card, up to 16GB
DIMENSIONS***	120(w) x 154(d) x 130(h)mm, 2.0kg including BU-11 battery
DISPLAY & USER INTERFACE	4.1" touch screen LCD with user directed zooming of finished splice image
INGRESS PROTECTION****	Splicer: Dust IP5x, water IPx2.
*SPLICING NOTE	Insertion loss is for break and remake of identical Sumitomo fibres.
**DROP CABLE NOTE	Requires FHD-1 holder or 1SM-ST holder. Not applicable to loose buffer structure cables
***DIMENSION NOTE	Dimensions exclude protruding parts such as rubber bumpers
****IP RATING NOTE	Compliant only when wind hood and all port covers are closed.

## Accessories & consumables



FC-6 series cleavers



FC-7 series cleavers



JR-6 heated fibre stripping tool



Holders for single fibre and fibre ribbons



JR-M03 single fibre stripping tool



Protectors for ribbon or single fibre splices



ER10 electrodes



Ribbon splitters & separators



PC-V11 DC power cord



BU-11 battery