



ABN 43 064 478 842

231 Osborne Avenue Clayton South, VIC 3169
PO Box 1548, Clayton South, VIC 3169
t 03 9265 7400 f 03 9558 0875
freecall 1800 680 680
www.tmgtestequipment.com.au

Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

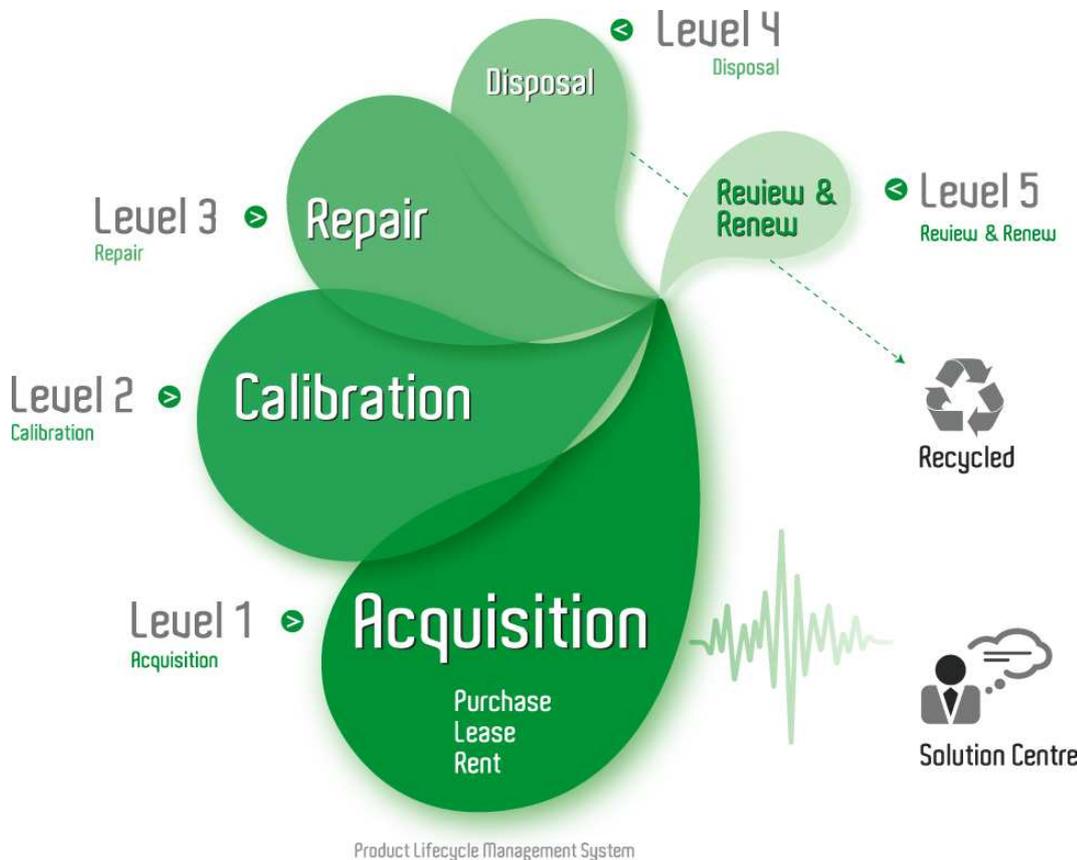
If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Click-to-Call
TMG Now



Product Lifecycle Management System

Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.



New model

Mass Fiber Fusion Splicer *FSM-50R*

New standard...



Features

- Suitable for ribbon fiber splicing
- FSM-50R12: Splicing up to 12-fiber ribbon
- FSM-50R8: Splicing up to 8-fiber ribbon
- Cladding alignment with fixed V-grooves
- Dual-directional operating system
- Arc calibration-free system
- Automatic fiber loading system
- Large capacity slot-in battery
- Simple operation steps

Fujikura

SPECIFICATIONS	
Model	FSM-50R12: Mass fusion splicer up to 12-fiber FSM-50R8: Mass fusion splicer up to 8-fiber
Applicable fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Fiber Count	FSM-50R12: Single, 2, 4, 5, 6, 8, 10 and 12 FSM-50R8: Single, 2, 4, 5, 6 and 8
Fiber cleaved length	10mm
Actual average splice loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, and 0.08dB with NZDS. Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing time	Typical 20seconds
Return loss	>>60dB
Splicing modes	40 user programmable modes and up to 60 modes for reference (factory predetermined setting).
Splice loss estimate	Available
Storage of splice result	FSM-50R12: The last 400 results to be stored in the internal memory. FSM-50R8: The last 500 results to be stored in the internal memory.
Fiber display	X / Y, or both X and Y simultaneously.
Magnification	FSM-50R12: 35x FSM-50R8: 49x
Viewing method	Two CMOS cameras and 5.6inch color LCD monitor.
Operating condition	0 to 3,660m above sea level, 0 to 95%RH and -10 to 50°C respectively.
Mechanical proof test	2N
Tube heater	Built-in tube heater with 10 heating modes and up to 20 modes for reference.
Tube heating time	Typical 40seconds with FP-04(T), 45seconds with FP-05 protection sleeves.
Applicable protection sleeve length	60mm and 40mm
No. of splice/heating with battery	Typical 70 cycles with BTR-06(S) / Typical 140 cycles with BTR-06(L).
Power supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-11, 13.2V DC with BTR-06(S)/(L).
Terminals	USB 1.1 (USB-B type) for PC communication. Video terminal RCA video jack / NTSC.
Wind protection	Max. wind velocity of 15m/s.
Dimensions	150W × 150D × 150H (mm)
Weight	2.2 kg (2.7kg including AC adapter ADC-11)

STANDARD PACKAGE		
Description	Model No.	Q'ty
Arc Fusion Splicer	FSM-50R12 or FSM-50R8	1pc.
AC adapter / Battery charger / DC inlet	ADC-11	1pc.
Carrying case	CC-12	1pc.
Monitor cover	MC-02	1pc.
AC power cord	ACC-XX	1pc.
Spare electrodes	ELCT2-20A	1pair
Instruction manual	-	1pc.

OPTIONAL ITEMS	
Description	Model No.
Detachable battery pack	BTR-06(S) / BTR-06(L)
Battery charge cord	DCC-10
DC power cord	DCC-12 (Cigarette lighter socket type) DCC-13 (Alligator clamp type)
J-plate	JP-04
Working table	WT-06
Working table support	WTS-06
Magnifying glass	MGS-05
High precision fiber cleaver	CT-20
Thermal jacket stripper	HJS-02
Primary coat stripper	PS-02
Nylon jacket stripper	JS-01
Tube heater	SH-7
Alcohol dispenser	HR-1
Protection sleeves	FP-03, FP-03(L= 40), FP-04(T), FP-05



Accessories



Top view of FSM-50R12

OPTIONAL FIBER HOLDERS									
Fiber	Single (0.25mm)	Single (0.9mm)	2-fiber ribbon	4-fiber ribbon	5-fiber ribbon	6-fiber ribbon	8-fiber ribbon	10-fiber ribbon	12-fiber ribbon
Model No.	FH-50-250	FH-50-900	FH-50-2	FH-50-4	FH-50-5	FH-50-6	FH-50-8	FH-50-10	FH-50-12

Specifications and descriptions are subject to change without prior notice.

Fujikura Ltd.

Fujikura Asia Ltd.

Fujikura Europe Ltd.

AFL Telecommunications

1-5-1, kiba, koto-ku, Tokyo 135-8512, Japan
 Phone : +81-3-5606-1164 Fax : +81-3-5606-1534 <http://www.fujikura.co.jp>
 460 Alexandra Road #22-02 PSA Bldg., Singapore 119963
 Phone : +65-6-278-8955 Fax : +65-6-278-0965 <http://www.fujikura.com.sg>
 C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY, UK
 Phone : +44-208-240-2000 Fax : +44-208-240-2010 <http://www.fujikura.co.uk>
 260, Parkway East, Duncun, SC29334, USA
 Phone : +1-800-235-3423 Fax : +1-800-926-0007 <http://www.aftele.com>