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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



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Product Lifecycle Management System

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Introducing the New Sumitomo Type-36 Fusion Splicer.

With its remote diagnostic capabilities,
you'll seldom find your splicer,
or your crew, off the job.



 **SUMITOMO ELECTRIC**

The Sumitomo Type-36 Fusion Splicer.

A new standard for reliability and performance.



New Fiber Chuck System
Simple, clamping-action fiber chuck with maximum 450g(1lb) proof test.

Simple, Accessible Control Panel
Front mounted keypad allows easy control through user-friendly drop-down menu selection and splicing operation

Go - No Go Indication
Screens for fiber preparation defects before splicing. Automatic splice loss estimation for standard single mode and a variety of fiber types after splices.

4" Color Monitor System
High resolution LCD color monitor with flexible monitor position for easy viewing. 270x magnification provides maximum inspection.

Dual Microscope System
Eliminates mirror for faster operation and reduced damage potential.

Type - II PCMCIA Port
Allows use of Remote Interactive Maintenance (RIM) System for quick maintenance diagnostics and software upgrade. Additional PC memory card provides extra data and splice image storage.

Speaks 12 Languages
English, French, German, Portuguese, Spanish, Chinese, Japanese etc.

Fastest Operation
Advanced optics design and operation software provides 25-second average splicing cycle time.

New Portable Design
The lightest and smallest among core monitoring fusion splicers: 35% lighter and 46% more compact than our previous model.

More time on the line.

Splicer downtime is a serious and costly problem. Because shipping a splicer back to the factory for repair costs money, and so does the lost productivity. Most problems that take a splicer off the line and put it in the shop usually involve dirt or improper settings. Now, with Sumitomo's new Type-36 fusion

splicer, your crew can correct almost all of these problems right on the job site. And be back in business before you know it.

The Type-36 fusion splicer is designed with the revolutionary Remote Interactive Maintenance (RIM™) system. It virtually elim-

inates the need to send the splicer back to the factory for cleaning or to reset operating parameters. If a problem occurs, the built-in RIM modem and video camera let you transmit over the phone lines both image* and operating parameters to Sumitomo's factory service center where our

technicians locate and identify the problem. A simple phone call to your site crew can clean up most dirt problems. And, because RIM is interactive, problem settings can be corrected, or system software upgraded, directly from the factory.

*This software is based in part on the work of the independent JPEG Group.

Helps you do it right the first time so you don't have to do it over.

Reduced downtime isn't the only thing you'll like about the Type-36 fusion splicer. Its proven direct core monitoring

system will give you the accurate splices you need to meet the increasing demands for low splice loss performance. It has a

moveable easy-to-read 4" color LCD monitor, with user-friendly drop-down menus, that lets you see and control everything

going on in the splicing process.

More speed. More versatility. More memory.

At an average splicing time of 25 seconds per operation and a high-speed heat cycle that shrinks sleeves in 90 seconds, there isn't a faster splicer on the market today. Or a more versatile one. The Type-36 lets you

splice many different types of fiber including singlemode, multimode, dispersion shifted, dispersion compensated, cut-off shifted and Er-doped. And what it splices, it doesn't forget. You can store up to 1,000 splices

in its built-in memory, and an optional memory card can increase storage capacity to 30,000 splices as well as splice images. The Type-36 packs a lot of capabilities into a remarkably compact 6.9Kg (15.2 lb) unit,

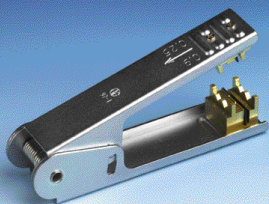
including the ability to communicate in 12 languages.

Speed. Accuracy. Reliability. Versatility. You get it all in the Sumitomo Type-36 Fusion Splicer.

For high performance splicing, you need a system like ours.

Sumitomo Fiber Preparation Tools and Accessories help make fusion splicing quick, precise and easy.

Simplify fiber handling right from the start.



Precision jacket removers strip fiber coatings in one-pass without damaging fiber. Guide mark assures optimum strip length. Available in 250, 900, and 400 micron diameters plus unique 900/250 micron combination unit.

Add strength and protection in one step.



Thermally activated Fiber Protection Sleeve shrinks tight around splice joint, providing environmental protection and strength for long-term storage. Stainless spine adds mechanical strength.

High precision assures accurate cleaves.



Easy-to-use Fiber Cleaver does its job in fewer steps. Produces a typical end-face angle within 0.5 degrees of perpendicular, assuring high quality splicing. Replaceable blade has 12 indexed positions for long life.

Add storage capacity and upgrade flexibility.



The Type II PCMCIA memory cards offer the flexibility to increase data and image storage capacity or upgrade system software. Also available are modem cards that allow the utilization of the Remote Interactive Maintenance (RIM) systems capabilities

Environmental Conditions

Operating Temperature	-10 to 50°C (14 to 122°F)
Operating Humidity	95%RH(non-condensing)
Altitude	0-3660m (12,000ft, 484mm HG)
Storage Temperature	-40 to 70°C (-40 to 158°F)

Applicable Fiber

Material	Silica glass
Profile Type	SMF, MMF, DSF, CSF, Er-doped fiber
Coating Diameter	250µm to 900µm
Cleave Length	8mm to 16mm

Typical Information

Splice Loss, Identical Fibers (Typical)	SMF: 0.02dB MMF: 0.01dB DSF: 0.05dB
Splice Data Storage	1,000 splices (built-in memory) 16,000 splices (optional memory card)
Alignment Method	SMF, DSF: Core or Diameter Alignment MMF: Diameter Alignment
Splice Cycle Time	25 seconds (set to Loss Estimate)
Heater Cycle Time	90 seconds
Proof Test	Standard - 200grams (0.44lb) or 453 grams (1 lb)

Power Supply Requirements

AC	85V to 265V 50/60Hz
DC	10V to 15V

Physical Characteristics

Size	190W x 190D x 175H mm (7.4W x 7.4D x 6.8H in)
Weight	6.9 Kg (15.2 lb)
Display	4 in., color LCD monitor, 3 possible locations
External Terminals	
Data Communications	9 pin D-Sub Connector - RS232C
Video Output	RCAJack- video signal
12 V DC Output	Accessories

Programs

Fusion Setting Conditions	35 total (5 Fiber Categories with 7 Program Selections)
Splice Criteria Parameters	5 Adjustable Parameters
Alignment Method	SMF, DSF: Core or Diameter Alignment MMF: Diameter Alignment
Language	12 Languages
Protection Sleeve Types	4 Available Styles: 32, 40, 60mm, Custom
Arc Test Compensation	Automatic
Menu Selection	User Friendly 'Drop-Down' Menus

Remote Interactive Maintenance (RIM) Systems (optional)

Modem Card	Transmit/ receive data via telecommunications lines. Remote Computer Interface (Software upgrade, trouble shooting, maintenance)
PCMemory Card	2Mb Data Storage and Local Software upgrade

Specifications subject to change without prior notice.

#EH-220 (98/8)



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