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Test & Measurement

- sales
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- calibration
- repair
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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.

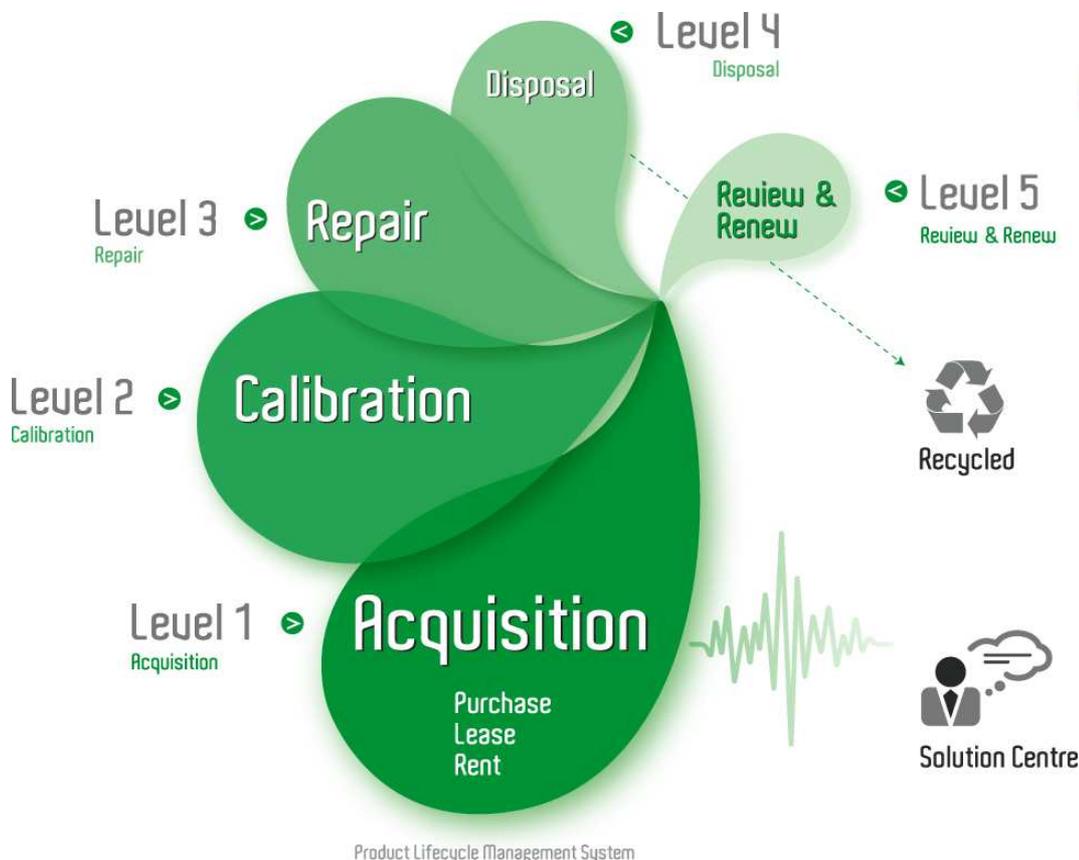
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Product Lifecycle Management System

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Splicers Fusion

Type-65 Micro-Mass Fusion Splicer



Description:

The Type-65 sets a new standard for reduced size and weight, and is designed for complete portability. Battery operated, the splicer allows more than 20 splices per battery charge including heater operation. With 30 mph wind protection and a compact size, it can splice in any environment. Utilizing precision v-groove alignment, the Type-65 can be used for all types of ribbon and single splicing with an optimum arrangement for ease of use in aerial and taut-sheath applications.

A newly developed fiber viewing system simultaneously focuses up to 12 fibers at a

time and maintains equal resolution across all fibers for improved accuracy of splice loss estimations. The high-speed, high-resolution image processing system automatically evaluates the fibers in two planes (X and Y-axis) for cleave end face quality, cleave length irregularity, and fiber offset to screen out the most likely causes in high loss splices. The Type-65 also has programmable power management functions for longer battery operation, a large color monitor, one of the fastest built-in fiber protection sleeve heaters available, and ultra-fast 30 second mass splicing!

Specifications

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|--|--|
| Alignment Method | Fixed V-Groove |
| Fiber Requirement | Silica glass |
| Fiber Type | SMF, MMF and DSF |
| Coating Diameter | Ribbon: 250µm Single: 250 and 900µm |
| Number of Fibers | 1, 2, 4, 6, 8, 10, 12 |
| Typical Splice Loss, Identical Fibers | SMF: 0.05dB; MMF: 0.03dB; DSF: 0.07dB |
| No. of Fusion Condition Settings | 3 fiber profiles with 7 pre-set programs each. Maximum of 48 programs. |
| Splice Parameters | 5 parameters for each program |
| Arc Test Compensation | Automatic |
| Typical Splice Cycle Time | 12 fibers: 30 seconds (set to loss estimation) |
| Splice Data Storage | 250 splice data points |

Type-65 Micro-Mass Fusion Splicer

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Features:

- Compact, Lightweight Design and Front to Back Work Flow System Simplifies Splicing in Confined Areas (i.e. Aerial, Taught-Sheath)
- Simultaneous Focusing on Up to 12 Fibers at a Time
- 5.6" Color LCD Display With On-Screen Guide Eases Operation in a Field Environment
- Lower Power Consumption with Built-In Power Management Allows 20+ Splices, Including Heater Operation, on a Charged Battery
- Automatic Splice and Loss Estimation in 30 Seconds for 12 Count Ribbon Fiber

Physical Characteristics

| | |
|--|---|
| Size | 150W x 150H x 150D mm (6W x 6H x 6D in) |
| Weight | 3 kg (6.6 lb) |
| Power Requirement | Input: 100 to 240V AC; (50/60 Hz): 12V DC |
| Display | Low Glare, 5.6 inch color LCD |
| Wind Protection | 30 mph (15 m/s) |
| Battery Operation (fully charged) | 20+, 12-fiber mass splices, including protection sleeve heater and thermal jacket remover operation |

Ordering Information

| Part Number | Description |
|---------------------|---|
| Type-65 | Type-65 Micro-Mass Fusion Splicer includes: <ul style="list-style-type: none"> • Shipping Case • Power Supply/Battery Charger (PS-M1) • Universal 12-Fiber Holder (RHS-12U) • 1-Fiber holder (RHS-250) • Spare Electrodes (ER-7) • AC Power Cord • Cooling Tray • V-Groove Brush (VGB-003-CR) • Operational Manual |
| Type-65-Kit2 | Includes all of the above, plus: <ul style="list-style-type: none"> • Precision Mass Cleaver (FCP-25) • Thermal Stripper (JR-5) • Splice Sleeves (FPS-6) • Fiber Arrangement Tool (FTA-02) • Consumable Kit for FTA-02 (FAC-24) • Solvent Dispenser (HL-2) • Cooling Tray |

Please see *Additional Accessories and Consumables*, page 64 for complementary products.