

# FibMax

One-stop factory for optical communication products  
www.fibmax.net

## COMPLETE FIBER SOLUTION KIT

PRECISION. PERFORMANCE. RELIABILITY.

Everything You Need for Professional Fiber Works



FAST & PRECISE  
SPLICING



LOW SPLICING LOSS  
& HIGH STABILITY



PORTABLE  
& DURABLE



COMPLETE KIT  
ALL-IN-ONE SOLUTION



WATERPROOF  
DUSTPROOF  
SHOCKPROOF



IDEAL FOR  
FTTx / PON  
NETWORK



EXPERT'S  
FIRST CHOICE



### Fi-06

CORE-TO-CORE  
FUSION SPLICER



- ⊗ 6 Motor Core Alignment
- ⊗ Fast Splicing
- ⊗ Low Loss
- ⊗ 300 Cycles (Battery)
- ⊗ 5,500 Electrode Life

### Fi-31

OPTICAL POWER METER  
(VFL + RJ-45 TESTER)



- ⊗ High Accuracy
- ⊗ VFL Function
- ⊗ RJ-45 Tester
- ⊗ dBm / dB / mW Reading
- ⊗ Auto Wavelength Recognition

### Fi-104

ONE STEP  
FIBER CLEAVER



- ⊗ One Step Operation
- ⊗ High Precision
- ⊗ Durable Blade
- ⊗ 16 Points Blade Position
- ⊗ Long Blade Life

### CFS-3

STRIPPER  
(03 HOLES)



- ⊗ 3 Hole Design
- ⊗ Sharp & Durable Blade
- ⊗ Comfort Grip
- ⊗ Easy Fiber Stripping
- ⊗ Professional Quality

### FIBER SPLICER ELECTRODE



- ⊗ Stable Arc
- ⊗ Long Life
- ⊗ Low Splicing Loss
- ⊗ High Performance

### SHOULDER STRAP



- ⊗ Heavy Duty
- ⊗ Comfortable
- ⊗ Adjustable
- ⊗ Easy to Attach

### CARRYING CASE



- ⊗ Waterproof
- ⊗ Dustproof
- ⊗ Shockproof
- ⊗ Durable & Strong

### ACCESSORY KIT



- ⊗ Complete Accessories
- ⊗ Well Organized
- ⊗ Ready to Use
- ⊗ Easy to Carry

**TMCL**  
Tex Method Company Ltd.

AUTHORIZED SOLE DISTRIBUTOR OF FIBMAX  
**TEX METHOD COMPANY LTD.**  
Your Trusted Partner in Fiber Optic Solutions



+88 01999075208



Mirpur DOHS, Dhaka

## PRODUCT PARAMETERS

| Test scope             | -70 ~ +10dBm                                                        | -50 ~ +26dBm |
|------------------------|---------------------------------------------------------------------|--------------|
| Wavelength range       | 800 ~ 1700nm                                                        |              |
| Calibration wavelength | (850、1300、1310、1490、1550、1625) nm                                   |              |
| Probe type             | InGaAs                                                              |              |
| Test precision         | <±3% (-10dBm、22°C)                                                  |              |
| Display magnification  | Linear Display:0.1%, Logarithmic display:0.01dBm                    |              |
| Operating temperature  | - 10 ~ +50°C                                                        |              |
| Storage temperature    | -20 ~ +70°C                                                         |              |
| Relative humidity      | 90% ( + 30°C)                                                       |              |
| Connector              | FC、SC(ST LC optional)                                               |              |
| Battery                | Lithium Battery                                                     |              |
| Continuous work hours  | 120h                                                                |              |
| Auto power off time    | 10min                                                               |              |
| Weight                 | 180g                                                                |              |
| Size                   | 130×63×29mm                                                         |              |
| VFL(optional)          | Wavelength: 650nm, Power: 1/10/20/30/50mw Optional, Output: 0HZ、2HZ |              |



## PACKINGLIST



| Accessory              | Quantity |
|------------------------|----------|
| Fusion Splicer         | 1        |
| High precision cleaver | 1        |
| Stripper               | 1        |
| Carrying case          | 1        |
| High capacity battery  | 1        |
| USB Type-C charger     | 1        |
| Cooling tray           | 1        |
| Hand strap             | 1        |
| User Guide             | 1        |
| Alcohol bottle         | 1        |

## SPECIFICATIONS

|                                                                    |                                                                                                                                                                 |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                                              | Fi-6                                                                                                                                                            |
| Size                                                               | D137xW136xH138(mm)                                                                                                                                              |
| Weight                                                             | 1.75kg(1.45kg without battery)                                                                                                                                  |
| Fiber Alignment                                                    | Core-to-Core alignment                                                                                                                                          |
| Number of Fiber                                                    | Single fiber                                                                                                                                                    |
| Applicable Fibers                                                  | SM(ITU-TG.652), MM(ITU-TG.651), DS(ITU-TG.653), NZ/NZDS(ITU-TG.655), BI(ITU-TG.657)                                                                             |
| Compatible Fiber/Cable                                             | 0.25-3.0mm/indoor Cable                                                                                                                                         |
| Cleaved Length                                                     | 5-16mm                                                                                                                                                          |
| Cladding Diameter                                                  | 80µm-150µm                                                                                                                                                      |
| Splicing Mode                                                      | Max.200                                                                                                                                                         |
| Heating Mode                                                       | Max.30                                                                                                                                                          |
| Typical Splice Loss                                                | 0.0.3dB(SM)/0.01dB(MM)/0.05dB(DS)/0.05dB(NZDS)/0.03dB(G.657)<br>Measured by cut-back method relevant to ITU-T standards                                         |
| Return Loss                                                        | >>60dB                                                                                                                                                          |
| Lighting                                                           | 2 White LEDS                                                                                                                                                    |
| Splicing Time                                                      | 5 sec.[SM Fast] program, 10 sec.[SM G652] program                                                                                                               |
| Estimated Splice Loss                                              | Available                                                                                                                                                       |
| Heating Sleeve Length                                              | 20mm-60mm                                                                                                                                                       |
| Heating Time                                                       | 12sec (with slim 60mm and 45mm sleeves), 15sec (60mm sleeves)                                                                                                   |
| Results Storage                                                    | Max.20000                                                                                                                                                       |
| Tention Test                                                       | 1.96-2.25N                                                                                                                                                      |
| Operating Condition                                                | Altitude 0-5000m above sea level, 0-95%RH, -10~50℃, Wind 15m/s                                                                                                  |
| Storage Condition                                                  | 0-95%RH,temperature -40~+80℃, battery -20~+40℃                                                                                                                  |
| Display                                                            | 90°bi-directional view, 5" Color High Resolution Display                                                                                                        |
| Fiber View & Magnification                                         | 750X for X or Y single axis view, 300X for both X&Y dual axis view(zoom up)                                                                                     |
| Power Supply                                                       | USB Type-C 5V/3A, 9V/2A, 12V/1.5A                                                                                                                               |
| No. of Splice/Heating with Battery                                 | Typical usage:300 cycles                                                                                                                                        |
| Operating Calibration                                              | Buttons/Touch Screen                                                                                                                                            |
| Automatic Calibration                                              | Automatic calibration based on environmental conditions                                                                                                         |
| Electrode Life                                                     | 5500 arcs can be extended by using an electrode grinder                                                                                                         |
| Terminal                                                           | USB port                                                                                                                                                        |
| Durability Tests                                                   | Shock resistance: Drop from 76cm<br>Dust resistance: Test in the dust chamber for 8 hours(ip5x)<br>Water resistance: Dripping water when tilted up to 15°(IPX2) |
| (No guarantee the product will not be damaged by these conditions) |                                                                                                                                                                 |
| Battery capacity                                                   | 5400mAh battery                                                                                                                                                 |

# FibMax

## Fi-22

### Portable Multi-Function OTDR

3.5-inch color touch screen

2.5m event dead zone

Testing range up to 90km

20 hours high capacity battery



#### Function:

- |                 |              |                  |               |
|-----------------|--------------|------------------|---------------|
| 1. OTDR         | 2. Event Map | 3. Power Meter   | 4. VFL        |
| 5. Light Source | 6. Loss Test | 7. RJ45 Sequence | 8. Flashlight |

#### Application:

Applicable to base on FTTX and access network construction and maintenance, test the breakpoint, Length, loss of the fiber.

## CHARACTERISTICS



## SPECIFICATIONS

| Portable Multi-Function OTDR |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| Model                        | Fi-22                                                                          |
| Wavelength(nm)               | 1310/1550nm (Optional 1610nm for Live Testing)                                 |
| Dynamic(dB)                  | 24/22dB                                                                        |
| Event Dead Zone(m)           | 2.5m                                                                           |
| Atten. Dead Zone(m)          | 8m                                                                             |
| Distance range               | 100m/500m/1Km/5Km/10km/20km/40km/60km/90km                                     |
| Pulse width(ns)              | 5ns/10ns/20ns/50ns/100ns/200ns/500ns/1us/2us/5us/10us                          |
| Distance Accuracy(m)         | $\pm(1m + \text{sampling interval} + 0.005\% \times \text{measurement range})$ |
| Linearity(dB/dB)             | $\pm 0.2\text{dB/dB}$                                                          |
| Sampling Points              | 20000                                                                          |
| sampling resolution          | 25cm-8m                                                                        |
| Loss resolution(dB/dB)       | 0.001dB                                                                        |
| Range resolution             | 0.001m                                                                         |
| Refractive index             | 1.00000-2.00000                                                                |
| reflection accuracy          | $\pm 3\text{dB}$                                                               |
| File Format                  | SOR                                                                            |
| Optical connector            | FC/SC/ST                                                                       |
| OPM                          |                                                                                |
| Wavelength(nm)               | 850nm-1650nm                                                                   |
| Calibration wavelength       | 850/1300/1310/1490/1550/1625/1650nm                                            |
| Measurement range            | A: -70~+10dBm B: -50~+26dBm                                                    |
| identification frequency     | 270Hz/330Hz/ 1kHz/2kHz                                                         |
| Uncertainty                  | $\pm 5\%$                                                                      |
| Optical connector            | FC/SC/ST                                                                       |
| VFL                          |                                                                                |
| Output wavelength            | 1310/1550nm (Optional 1610nm for Live Testing)                                 |
| Laser type                   | FP-LD                                                                          |
| Output power                 | -5dm $\pm$ 2dB                                                                 |
| Uncertainty                  | $\pm 5\%$                                                                      |
| Optical connector            | FC/SC/ST                                                                       |
| General                      |                                                                                |
| Data interface               | Type-C USB                                                                     |
| Data storage                 | Internal storage $\geq 1000$ SD Card Support                                   |
| Storage condition            | -40°C~+70°C                                                                    |
| Relative humidity            | 0-90%non-condensing                                                            |
| Operation condition          | -10°C~50°C                                                                     |
| Inventory                    |                                                                                |
| OTDR                         | *1                                                                             |
| Type-C USB Cable             | *1                                                                             |
| User Guide                   | *1                                                                             |

# Optical Power Meter & VFL

Lithium Battery Optical Power Meter & VFL



Wavelength  
memory

Blacklight  
switch freely

6 Test  
Wavelengths

High-precision  
< 0.05dB

Supports  
SC, FC and ST  
interfaces