

## FBP-MTS-001 (T-BERD/MTS Upgrade Kit)

### FBP Video Probe Microscope & USB 1.1 Analog-to-Digital Converter

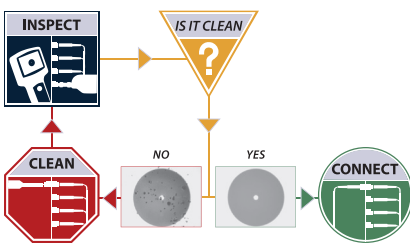


FBP-MTS-001  
(T-BERD/MTS Upgrade Kit)

#### Applications

- Easily view clear detailed fiber end face images on test device screen or PC/laptop via a USB connection
- Use with JDSU probe microscope to inspect both bulkhead (female) and patch cord (male) sides of fiber interconnect
- Promote proper fiber handling workflow and practice

#### Inspect Before You Connect<sup>SM</sup>



**Contamination is the number 1 reason for troubleshooting optical networks.** Proactive inspection and cleaning of fiber connectors can prevent poor signal performance, equipment damage, and network downtime.

#### Key Features

- Dual-magnification (200/400X) probe microscope with integrated QuickCapture™ button for instant capture of fiber end face image
- Use with JDSU test platforms or with a PC or laptop via USB digital converter
- Compact design for efficiency and portability with easy one-hand operation
- Compatible with over 250 precision tips and adapters capable of inspecting every connector and application
- Includes seven precision stainless-steel inspection tips for inspecting SC, SC-APC, FC, LC bulkheads, and universal 2.5 mm, 2.5 mm APC, and 1.25 mm patch cords
- Conveniently packaged in a soft-sided carrying case
- Use FiberChek™ software with a PC/laptop for one-button capture and analysis of fiber end faces

#### T-BERD/MTS Fiber Inspection Upgrade Kit

The JDSU FBP-MTS-001 fiber inspection kit provides a high-performance video probe microscope system configured for use with JDSU test platforms, such as the T-BERD 6000, T-BERD 8000, FST-2808, and FST-2512, among others. It features the Westover FBP-P505 probe microscope, an industry-leading scope that provides performance and value in a portable, durable form factor. Its multi-purpose capability and versatility make it the ideal solution for technicians in the field and suitable for manufacturing and laboratory environments.

*T-BERD/MTS not included.*





FBP-P505 Probe Microscope

### FBP Video Probe Microscope

The Westover FBP video probe microscope, in single or dual-magnification (200/400X), is the essential inspection tool for use with JDSU test platforms. The key components of the probe include an integrated light source, a 1/3-inch complimentary metal oxide semiconductor (CMOS) video camera, a focusing mechanism, and an optional image capture button. It is powered through the universal serial bus (USB) port and utilizes a blue coaxial light emitting diode (LED) light source with an advanced camera system to produce a high resolution fiber end face image. It fits and operates comfortably and easily in-hand, letting users inspect hard-to-reach connectors that are installed on the backside of patch panels or inside optical devices. The focus control is conveniently located on the probe to easily adjust the focus of the fiber image, while the optional dual-magnification control lets users quickly change between high- and low-magnification views.



7 Interchangeable Inspection Tips for Inspecting Both Sides of Fiber Interconnect

### FBPT Inspection Tips and Adapters

Included in the FBP-MTS-001 inspection kit are the stainless-steel optical barrel assembly and seven interchangeable precision tips that facilitate inspection of FC, SC, SC-APC, and LC connectors located in bulkheads; and 2.5 mm, 2.5 mm APC, and 1.25 mm patch cord connectors. Their careful design and engineering enables consistent and accurate inspection of fiber, and their unique optics architecture provides true versatility and adaptability for inspecting every connector and application in your network. With over 250 individual tips and adapters specifically engineered for the FBP probe line, JDSU offers the industry's most comprehensive fiber inspection solutions.



### USB Analog-to-Digital Converter

The FBP probe microscope connects to the JDSU optical test platforms or to a PC/laptop via a USB digital converter. Simply connect the FBP probe to the module and plug the USB connection in an open USB port. The USB module, like the probe, offers an optional QuickCapture™ button to instantly capture the fiber end face image on the display. For use with a PC/laptop, a fiber analysis program (FiberChek) is included on a CD and requires software/hardware installation. No additional software is needed to interface with these JDSU test platforms: T-BERD, MTS, or TestPad.



Laptop not included.



FBP-MTS-001 Fiber Inspection Kit

### FBP-P505 Probe Specifications

|                                       |   |
|---------------------------------------|---|
| Dimensions                            | 140 x 46 x 44 mm (5.5 x 1.8 x 1.7 in)       |
| Weight                                | 180 g (6.3 oz)                              |
| Optical magnifications                | 200/400X dual-magnification                 |
| Camera type                           | 1/3-in CMOS                                 |
| Light source                          | Blue LED, internal to probe, 100,000+ hours |
| Lighting technique                    | Coaxial                                     |
| Focus control                         | Adjustable, in-probe                        |
| Power source                          | Display/USB device                          |
| Horizontal field-of-view (FOV) (200X) | 550 µm                                      |
| Horizontal FOV (400X)                 | 350 µm                                      |
| Warranty                              | 1 yr  |

### USB Converter Specifications

|                                  |  |
|----------------------------------|--|
| Dimensions                       | 150 x 580 x 180 mm<br>(5.9 x 22.8 x 7.1 in) with<br>3-ft (0.9 m) USB cable   |
| Weight                           | 80 g (2.8 oz)  |
| Power                            | 5V, 500mA from USB port  |
| USB type                         | USB 1.1  |
| Compatible test platform/devices | T-BERD 6000, T-BERD 8000,<br>FST-2802, FST-2310, and other<br>test units with a USB port;<br>Windows®-based PC or laptop |

*Windows is a registered trademark of Microsoft Corporation.*

### Ordering Information

|             |  |
|-------------|--|
| FBP-MTS-001 | Dual-mag (200/400X) FBP video probe microscope with QuickCapture image capture button; USB 1.1 analog-to-digital converter; basic FiberChek software; interchangeable FBPT inspection tips (7) in hard case: SC, SC-APC, FC, LC bulkhead tips, Universal 2.5 mm, 2.5 mm APC, 1.25 mm patch cord tips; soft-sided carrying case |
| FBPP-USB1   | USB 1.1 analog-to-digital converter; basic FiberChek software  |
| FBP-P505    | Dual-magnification (200/400X) FBP video probe microscope with QuickCapture image capture button  |

### Included FBPT Inspection Tips

#### Bulkhead Inspection Tips

- SC bulkhead
- SC-APC bulkhead
- FC bulkhead
- LC bulkhead

#### Patch Cord Inspection Tips

- Universal 2.5 mm UPC patch cord
- Universal 2.5 mm APC patch cord
- Universal 1.25 mm UPC patch cord

### Test & Measurement Regional Sales

|   |  |   |   |                             |
|---|--|---|---|-----------------------------|
| <b>NORTH AMERICA</b><br>TOLL FREE: 1 866 228 3762<br>FAX: +1 301 353 9216 | <b>LATIN AMERICA</b><br>TEL: +1 954 688 5660<br>FAX: +1 954 345 4668 | <b>ASIA PACIFIC</b><br>TEL: +852 2892 0990<br>FAX: +852 2892 0770 | <b>EMEA</b><br>TEL: +49 7121 86 2222<br>FAX: +49 7121 86 1222 | <b>www.jdsu.com/inspect</b> |
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