

Pulse Suppressor Box

FTB-PSB



Singlemode or multimode fiber types

Three different fiber lengths

Universal connector compatibility

Modular for use in the FTB-400 UTS

An OTDR Testing Essential

Combined with EXFO OTDR equipment in the FTB-400 Universal Test System, the FTB-PSB Pulse Suppressor Box (PSB) module enables loss measurement on the first and last connections of the fiber under test.

Choice of Configurations

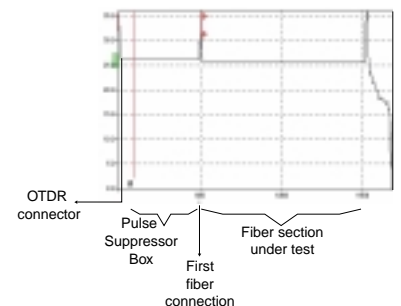
Typically, dead zones are about the same length as the optical pulse plus a few meters. So the PSB configuration should be longer than the pulse selected for the test session. The FTB-PSB is available in lengths of 300 m, 500 m and 1500 m, with a choice of singlemode or multimode fiber. EXFO also offers a wide range of connectors for quick connection to most OTDR and patch panel ports. The FTB-PSB complements EXFO's comprehensive line of field-proven test modules.

How it Works

Often, the longest dead zone occurs at the first connection (the OTDR bulkhead connector). Because it is impossible to measure loss within a dead zone, loss due to splices and connectors close to the OTDR launch point cannot be determined under ordinary circumstances. However, you can work around this problem by connecting the pulse suppressor box between the OTDR and the fiber under test. The length of fiber in the PSB distances the dead zone from the splices and connectors to be checked, and these crucial loss values can then be measured.

With the modular PSB, a patchcord is required to connect the OTDR to the FTB-PSB. The fiber under test can be directly connected to the pulse suppressor box.

Loss from the last connector of the fiber under test can be measured in the same way, by placing the extra fiber length of the PSB after the last connector. This extra fiber enables the OTDR to compare backscatter levels before and after the event to calculate the connector loss.



Fiber-optic test,
measurement, monitoring
and automation solutions



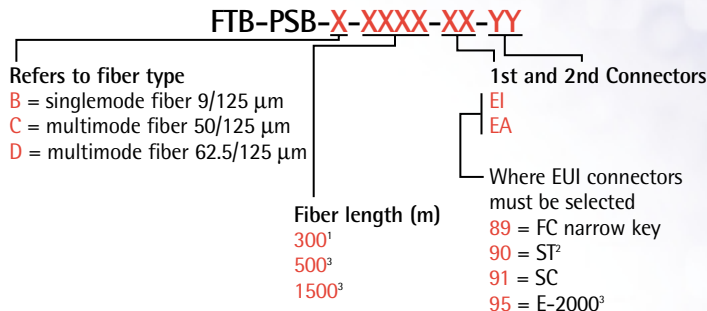
Specifications

Description	Typical specifications For singlemode fiber only	
Connector insertion loss (dB)	< 0.5 (maximum initial)	
Connector reflectance (dB)	UPC: < -50 APC: < -60	
Fiber type	Wavelength	Typical attenuation range
Multimode fiber 50/125 μm	850 nm	2.4 to 3.0 dB/km
	1300 nm	0.6 to 1.2 dB/km
Multimode fiber 62.5/125 μm	850 nm	3.0 to 3.2 dB/km
	1300 nm	0.7 to 0.9 dB/km
Singlemode fiber 9/125 μm	1310 nm	≤ 0.35 dB/km
	1550 nm	≤ 0.25 dB/km

General Specifications

Size (H × W × D)		
Single slot	9.6 cm × 2.5 cm × 26 cm	(3 3/4 in × 1 in × 10 1/4 in)
Double slot	9.6 cm × 5.1 cm × 26 cm	(3 3/4 in × 2 in × 10 1/4 in)
Weight		
Single slot	325 g (0.72 lb)	
Double slot	495 g (1.09 lb)	

Ordering Information



Notes

1. Available for multimode fiber only.
2. Available for EI only.
3. Available for singlemode fiber only.

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Rugged Handheld Solutions

- OLTS
- Power Meter
- Light Source
- Talk Set



UNIVERSAL TEST SYSTEM

- OTDR
- OLTS
- ORL
- Switch

Optical Fiber

- OSA
- PMD
- Chromatic Dispersion Analyzer
- Multiwavelength Meter

DWDM Test Systems

Protocol

- 10/100 and Gigabit Ethernet
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64Kb/s to STM-64c)

CORPORATE HEADQUARTERS	465 Godin Avenue	Vanier (Quebec) G1M 3G7 CANADA	Tel.: 1 418 683-0211 . Fax: 1 418 683-2170
EXFO AMERICA	1201 Richardson Drive, Suite 260	Richardson TX 75080 USA	Tel.: 1 800 663-3936 . Fax: 1 972 907-2297
EXFO EUROPE	Le Dynasteur, 10/12 rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85 . Fax: +33.1.40.83.04.42
EXFO ASIA-PACIFIC	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 333 8241 . Fax: +65 333 8242
TOLL-FREE (USA and Canada)	Tel.: 1 800 663-3936	www.exfo.com • info@exfo.com	

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