PULSE SUPPRESSOR BOX

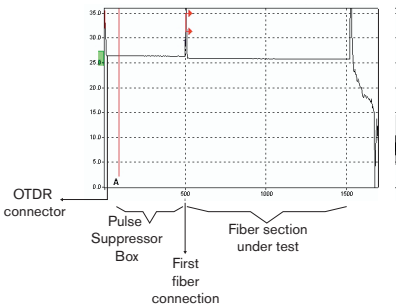
FTB-PSB/PSB

NETWORK TESTING–OPTICAL

- Installation/troubleshooting/OTDR testing essential: covers the OTDR's dead zone, enabling loss measurement on the first and last connections of a fiber under test
- Singlemode and multimode fiber models
- Wide selection of connectors for quick connection to most OTDR and patch panel ports
- Modular FTB-PSB and stand-alone PSB: available in lengths of 300, 500 and 1500 m

Platform Compatibility

FTB-400 Universal Test System



Choice of Configurations

Typically, the length of an OTDR's dead zone is equivalent to that of the optical pulse plus a few meters. The chosen PSB/LCR cable should therefore be longer than the pulse used for the tests. Choose from three carrying options:

- FTB-PSB: housed in the FTB-400 platform, it connects to the OTDR using a patchcord
- Stand-alone PSB: offered in a rugged, compact case

How it works

Because it is impossible to measure loss within a dead zone–often, the longest dead zone occurs at the first connection (the OTDR bulkhead connector)–loss due to splices and connectors close to the OTDR launch point cannot be determined under ordinary circumstances. The solution: using a pulse suppressor box or a launch cord reel between the OTDR and the fiber under test. This distances the dead zone from the splices and connectors to be checked, allowing loss to be measured.

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 connector loss.

SPECIFICATIONS

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

GENERAL SPECIFICATIONS

Size (H x W x D)			20 cm x 15 cm x 10 cm	(8 in x 6 in x 4 in)
	Single slot	9.6 cm x 2.5 cm x 26 cm	(3 3/4 in x 1 in x 10 1/4 in)	
	Double slot	9.6 cm x 5.1 cm x 26 cm	(3 3/4 in x 2 in x 10 1/4 in)	
Weight			< 2.5 kg	(< 5.5 lb)
	Single slot	325 g	(0.72 lb)	
	Double slot	495 g	(1.09 lb)	
External patchcord length			2 x 3 m	(2 x 10 ft)

ORDERING INFORMATION

FTB-PSB-XX-XX-XX

Model

FTB-PSB-B-500 = Pulse Suppressor Box single module for UTS, singlemode fiber 9/125, 500m
FTB-PSB-B-1500 = Pulse Suppressor Box double module for UTS, singlemode fiber 9/125, 1500m
FTB-PSB-C-300 = Pulse suppressor box stand alone, multimode fiber 50/125, 300m
FTB-PSB-D-300 = Pulse suppressor box stand alone, multimode fiber 62.5/125, 300m

Example: FTB-PSB-C-300-EA-EUI-89-EA-EUI-89

1st and 2nd Connector

EA-EUI-89 = APC/FC narrow key
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E2000
EI-EUI-89 = UPC/FC narrow key [a]
EI-EUI-90 = UPC/ST [a]
EI-EUI-91 = UPC/SC [a]
EI-EUI-95 = UPC/E2000

Note

a. For Multimode only

Rugged Handheld Solutions

OPTICAL
- OLTSs
- Power meters
- Light sources
- Talk sets

COPPER ACCESS
- ADSL/ADSL2+, SHDSL, VDSL test sets
- VoIP and IPTV test sets
- Ethernet test sets
- POTS test sets

Platform-Based Solutions

OPTICAL FIBER
- OTDRs
- OLTSs
- ORL meters
- Variable attenuators

DWDM TEST SYSTEMS
- OSAs
- PMD analyzers
- Chromatic dispersion analyzer

TRANSPORT AND DATACOM
- Next Generation SONET/SDH and OTN testers
- SONET/DSn (DS0 to OC-192) testers
- SDH/PDH (64 kb/s to STM-64) testers
- T1/T3, E1 testers
- 10/100M and Gigabit Ethernet testers
- Fibre Channel testers
- 10 Gigabit Ethernet testers

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at **www.EXFO.com**.

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SPFTB/PSB.1AN

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