

## Portable Simulation Box (PSB)



### Applications

- OTDR Training Aid
- Network Simulation
- Product Demonstration
- Education Aid
- Research and Development

### Key Features & Benefits

- Rugged Case Protects Fiber During Use and Transit
- Lightweight, Waterproof Unit
- Variety of Fiber Lengths and Connector Types Available
- Various Event Configurations Available
- Dual Fiber Configurations Available in Single Unit
- Capable of Holding Lengths up to 25km

### Overview

OptiConcepts specializes in the design and construction of specialty optical test platforms to accurately simulate your optical system or situation. These precision systems are used to develop and evaluate electronics and optoelectronics while providing a stable, reliable reference to evaluate equipment performance. In addition, a better understanding of your system will help you make the most informed decisions regarding network development. OptiConcepts Portable Simulation Boxes are designed to accommodate up to 25km of optical fiber and hold as many as three events, such as connector pairs and fusion splices. These boxes typically include 2-two meter connectorized pigtailed for easy connection to test equipment. These units are ideal for use as OTDR training aids.

### Full-Featured Design Offers Maximum Protection and Versatility

Our full featured design stores both the optical fiber and access connectors in a light-weight, rugged transit case that protects the sensitive optical components against harsh outside plant installation and maintenance environments. For long haul testing, OptiConcepts large Portable Simulation Boxes are capable of holding single-mode or multimode fiber lengths up to 25 kilometers. Custom lengths and various connector styles are available, providing ultimate convenience and portability.

# Portable Simulation Box (PSB)

## OTDR Quick Training Guide

OptiConcepts Optical Time Domain Reflectometer Quick Training Guide is a concise overview of real world OTDR testing scenarios. The Quick Training Guide includes a quiz. Our training guide is designed to complement OptiConcepts Simulation Boxes in a classroom setting.

## Specifications

Fiber Types: Single-mode, Multimode 50/125um, Multimode 62.5/125um

Fiber Length: 100 meters (328 ft.) to 5 kilometers (16,400 ft)

Dimensions: 9.25" x 7.75" x 4.5" (23.5cm x 19.7cm x 11.4cm) less than 5km length  
16.0" x 10.5" x 6.0" (40.6cm x 26.7cm x 15.24cm) 5-25km length

Weight: < 4 lbs. (1.8kg) to < 15 lbs. (6.8 kg)

Temperature Range: -40° to 122°F (-40° to 50°C)

Humidity: 0 to 95%

Connector Type: FC, SC, ST, LC, MTRJ – Ultra and Angled Varieties (other styles available upon request)

Unit Color: Black; other colors available upon request

Access Legs: 2-2 meter length access legs

## Ordering Information

### PSB Standard Part Number Configuration

**[PSB-ABCD-EF]** Choose connector type on access legs for A/B from the following:

FC=1 FC Angle=2 SC=3 SC Angle=4 ST=5 LC=6 MTRJ=7 None=X

PN: PSB-ABSS-2K

Desc: 2km Single-mode; Fusion Splice at 500m & 1.5km, Connector Pair at 1km; A/B access connectors

PN: PSB-ABSS-3K

Desc: 3km Single-mode; Fusion Splice at 1km, Connector Pair at 2km; A/B access connectors

PN: PSB-AB5S-1K2

Desc: 1.2km Multimode 50um; Splice at 300m and 900m, Connector Pair at 600m; A/B access connectors

PN: PSB-AB6S-1K2

Desc: 1.2km Multimode 62.5um; Splice at 300m and 900m, Connector Pair at 600m; A/B access connectors

PN: OTDR-GUIDE-VI

Desc: OTDR Quick Training Guide; complements OptiConcepts Simulation Boxes in classroom setting

Custom part number configurations are available.

## Quality Statement

OptiConcepts is committed to providing high quality, easy to use test equipment by integrating customer needs into world class engineered products and systems.



*designed and built in America*

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