

## LBX Series

### OTDR Launch Boxes

CPE/Premise Wiring

FTTP

MDU

Utility/Municipality

Wireless



LBXR5CSC305

The LBX OTDR Launch boxes are required when testing fiber optic cable using an OTDR. The launch box when connected to the OTDR will minimize the effects of launch pulse and aid with measurement uncertainty.

#### KEY PRODUCT BENEFITS

- ▶ Used in OTDR Pulse Suppression and Equipment calibration
- ▶ Rugged case is watertight, airtight, dustproof, and crushproof
- ▶ 100% visual, endface geometry and optical performance tested
- ▶ Certification test reports
- ▶ Premium connectors and fibers



**Tii Technologies Inc.**

**Corporate Headquarters:**

141 Rodeo Drive  
Edgewood, NY 11717

Phone: 631.789.5000

Fax: 631.789.5063

Toll Free: 888.844.4720

sales@tiitech.com

# LBX Series

## SPECIFICATIONS

Optical Performance Property			
Fiber Code	K	C	R
Common Name	<b>MM62.5</b>	<b>MM50</b>	<b>Singlemode</b>
Specification	ISO OM1	ISO OM2	ITU-T G.652.D
Core/Cladding (um)	62.5/125	50/125	8.2/125
Numerical Aperture	0.275	0.20	0.14
Optical Performance at Frequencies (nm)	850 / 1300	850 / 1300	1310 / 1550
Maximum Attenuation (dB/km)	2.9 / 0.6	2.3 / 0.6	0.35 / 0.20
Index of Refraction	1.496 / 1.491	1.481 / 1.476	1.4676 / 1.4682
Rayleigh Backscatter at 1ns pulse width (dB)	-68 / -76	-68 / -76	-77 / -82
Connector Insertion Loss (dB)	0.35	0.35	0.25
Backreflection (dB)	<-25	<-25	-55UPC/-65APC
Radius of Curvature (mm)		10 - 30	
Apex Offset (um)		<50	
Fiber Height (nm)		-50 to 50	
Dimensions		9.12" x 7.56" x 4.37"	
Packaging		12" x 12" x 6"	
Shipping Weight		5 lbs.	

## MODEL NUMBER MATRIX

LBX	-X	-XX	-XX	-XXX
	Mode	End 1	End 2	Length
	R = Singlemode	FC = FC	FC = FC	100 = 100m
	K = MM62.5	SC = SC	FA = FC APC	150 = 150m
	C = MM50	ST = ST	LC = LC	305 = 305m (1,000 ft)
			LA = LC APC	500 = 500m
			MU = MU	1KM = 1,000m
			SC = SC	2KM = 2,000m
			SA = SC APC	
			ST = ST	