

## LBX Series

### OTDR Launch Boxes

Minimize Effects of Launch Pulse  
Aid in Measurement Uncertainty  
For Use in OTDR Pulse  
Suppression and  
Equipment Calibration



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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

- ▶ Rugged case is watertight, airtight, dustproof, and crushproof
- ▶ 100% visual, endface geometry and optical performance tested
- ▶ Certification test reports
- ▶ Premium connectors and fibers
- ▶ Made in USA

# LBX Series

## SPECIFICATIONS

Optical Performance Property	Value		
Fiber Code	K	C	R
Common Name	MM62.5	MM50	Singlemode
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	

Physical Properties	Value
Dimensions (in)	9.12 x 7.56 x 4.37
Packaging (in)	12 x 12 x 6
Shipping Weight (lbs)	5

## ORDERING INFORMATION 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	