PHOTON KINETICS

8000i OTDR Station

Cost effective solution for in-process testing of ribbon and loose tube fibers

Features

Optimized for Cable Manufacturing

- Optical design provides the optimal OTDR performance for characterizing typical ribbon and tube process lengths.
- Compact design facilitates deployment of test capability where it is needed
- Short measurement times provide fast, process control feedback to ribboning and tubing lines.
- Short dead zones ensure that processed-induced point defects are reliably identified.

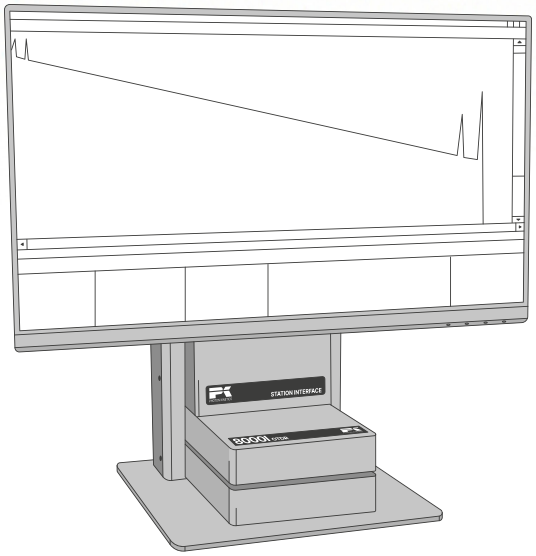
Application-optimized OTDR Modules

- C1 Series modules provide optimal balance of dynamic range and dead zone performance for single-mode products.
- M2 Series modules optimized for multimode products.
- G3 Series general purpose modules ideal for fibers either shorter and longer that typical cable lengths.
- Portable Station Interface accommodates up to two 8000i modules, e.g. C1 and M2.

Key Component of Automated Test Stations

- 8000i is the cornerstone of a high productivity In-Process Cable Testing Station that also includes an 1120 Bare Fiber Aligner or 1050S Subunit Aligner.

For more information contact
sales@pkinetics.com



OTDR

Fiber Length

Specifications

Measurement			
Standards and Methods			
Attenuation [1]	IEC 60793-1-40, OTDR Method		
Attenuation Uniformity	IEC 62316, OTDR Method		
Fiber Length	IEC 60793-1-22. OTDR		
Performance [1]	8000i-C1	8000i-M2	8000i-G3
Minimum Dynamic Range (dB)			
O	>25.0		> 39.0
E	>20.5		>34.5
S	> 21.5		> 35.5
C	>23.0		> 40.0
L	>20.0		> 37.0
SX		> 29	
LX		>26	
Maximum Dead Zone (m)			
Attenuation	< 50		< 25
Event	< 25		< 5
Linearity (dB/dB)	< 0.025		
Distance Accuracy (m)	± (0.01% of measured length + 2.5)		± (0.01% of measured length + 0.8)
Configurations	8000i-C1	8000i-M2	8000i-G3
Application	Single-mode Fiber Cable Components	Multimode Fiber Cable Components	Single-mode Fiber General Purpose
Compatible Fibers	IEC Type B	IEC Type A1-OM1, OM2	IEC Type B
Available Wavelengths (nm)	1310 (O) 1383 (E) 1490 (S) 1550 (C) 1625 (L)	850 (SX) 1300 (LX)	1310 (O) 1383 (E) 1490 (S) 1550 (C) 1625 (L)
Standard Modules	O, OC, CL, OCL, OEC, OECL, OSCL	LX, SXLX	O, OC, OCL, OECL, OSCL,

Notes:

1. *Exact performance specifications depend on the OTDR configuration (e.g., configuration type, wavelengths, number of wavelengths) well as data acquisition settings such as pulse width and averaging time. Contact PK Sales for more comprehensive information concerning the performance of a specific configuration.*

CLASS 1
LASER PRODUCT

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ISO 9001:2015 certified. Printed in USA.
Specifications subject to change without notice

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90-2308-00 Rev A
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