

2300 Fiber Analysis System

Industry-standard geometry and spectral loss measurement platform for all fiber types

Features

Combined Geometry and Spectral Loss

- Enables characterization of two critical, "short-sample", fiber production measurements, minimizing fiber preparation/handling time and expense.

Versatile Measurement Platform

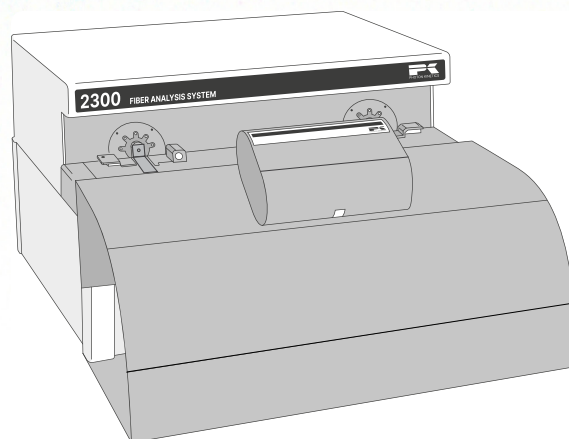
- Available in a variety of configurations, optimized for characterizing specific telecom, datacom, next generation and specialty fibers.

Add-on Measurement Options

- Expand test station measurement capability to include mode field diameter, multimode numerical aperture, coating geometry and fiber curl

PKSL Software Application

- Simplifies creation of automated test sequences
- Facilitates customization of test sequences, creation of local language user interfaces
- Easy-to-use API facilitates customized, automated measurements and factory integration.



Fiber Geometry



Cut-off Wavelength



Spectral Attenuation



Mode Field Diameter



Numerical Aperture



For more information contact
sales@pkinetics.com

Specifications

Measurement		
Compatible Fibers		Standard single-mode and multimode, multicore single-mode, polarization maintaining, hollow-core
Standards and Methods		
Core and Cladding Geometry		IEC 60793-1-20, Transmitted Near Field
Marker/Structure Geometry		Backlit Illumination (short sample)
Spectral Attenuation		IEC 60793-1-40, Cutback Reference
Cut-off Wavelength		IEC 60793-1-44, Bend or Multimode Reference
Mode Field Diameter		IEC 60793-1-45, Variable Aperture Method
Numerical Aperture		IEC 60793-1-43, Angular Far Field Scan, Technique 1
Wavelengths		
Fiber Geometry		850 ± 10 nm
Spectral Loss		1000 to 1650 nm (B, M, H), 600 to 1650 nm (A and P)
Mode Field Diameter		1100 to 1625 nm
Performance		
Spectral Scanning		> 15 wavelengths per second
Data Acquisition Time (typical) ¹		
Geometry		< 5 seconds
Spectral Attenuation ²		< 25 seconds
Cut-off Wavelength ³		< 5 seconds
Mode Field Diameter ⁴		< 30 seconds
Configurations		
Measurement ⁵		
2300A		Spectral loss (cutback attenuation and cut-off wavelength)
2300G		Fiber geometry
2300AG		Spectral loss and fiber geometry
Fiber Type ⁵		
2300-B		Standard single-mode (IEC Type B)
2300-A		Standard single-mode and multimode (IEC Type B and A1)
2300-P		Polarization maintaining
2300-M		Multicore
2300-MP		Multicore and polarization maintaining
2300-HM		Hollow-core and multicore
2300-HAMP		Hollow-core, standard single-mode and multimode, multicore
		single-mode and polarization maintaining
2300-L		Large cladding diameter
Compatible Options		
		2302 Coating Geometry
		2304 Mode Field Diameter
		2311 Fiber Curl
		2314-0 Far Field Scanner

Notes:

1. Standard B-652.B single-core fiber.
2. Including auto-alignment of for both long fiber and reference scans. 80 wavelengths.
3. 80 wavelengths. Multimode reference.
4. 2 wavelengths.
5. Model numbering example: A 2300G-B is a fiber geometry-only system for IEC Type B single-mode fibers.