PHOTON KINETICS

2304 Mode Field Diameter Option

Variable aperture test method for the highest-speed mode field diameter production measurements

Features

Variable Aperture in the Far Field (VAFF) Method

- Reliable optical and mechanical components, plus ease of use and high speed make the 2304 the ideal solution for optical fiber production MFD testing.
- Suitable for standard, and many specialty single-mode fiber types, including those having elliptical MFDs.

Add-on Option for 2300A and 2300AG Systems

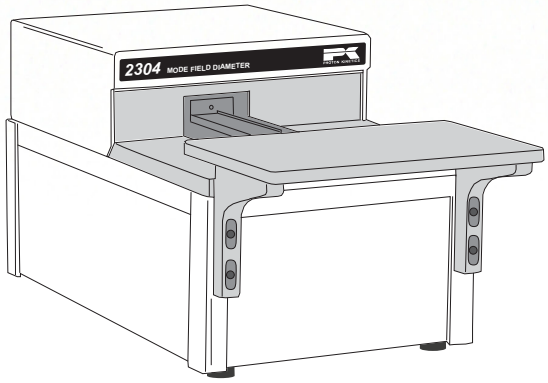
- Utilizes the 2300's white light source, monochromator and launch optics.
- Allows measurement of MFD at any wavelength between 1100 to 1625 nm. 850 to 1625 nm capability is optional.

Simple Fiber Prep, Loading, and Alignment

- Samples prepared per standard PK fiber preparation process.
- Output end of 2300 short-length cut-off or geometry measurement sample automatically aligned in 3-axes.

High Performance

- 2-wavelength measurement in less than 30 seconds.





Mode Field Diameter

For more information contact
sales@pkinetics.com

Specifications

Measurement	
Compatible Fibers	Single-core single-mode, and multicore fibers with core numerical aperture < 0.5
Standards and Methods Mode Field Diameter	IEC 60793-1-45, Variable Aperture Method
Wavelength Range (nm)	1100 to 1625 standard, 850 to 1625 optional
Performance	
Dynamic Range [1]	> 36 dB
Repeatability [2]	< 0.3% (IEC Type B-652), < 0.5% (IEC Type B-653)
Accuracy [3]	< 1%
Typical Data Acquisition Time (s) [4]	< 30
Configurations	
2304 Mode Field Diameter Option	2300A and 2300AG Fiber Analysis Systems

Notes:
1. *Largest aperture, 2-meter B-652 fiber, no averaging. WR1 option 1 dB less.*
2. *2-meter fiber, no averaging, fiber not moved, < 1% with fiber re-cleaving*
3. *NPL MFD Reference fiber, 1310 and 1550 nm*
4. *2 wavelengths*

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Specifications subject to change without notice

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