

FiBO® 300 // SPECIALTY FIBER TESTING

Investigate specialty fibers with our most versatile FiBO

FiBO® 300 is a versatile phase-shifting interferometer for the analysis of fiber optic endface geometry. Measure non-standard, angle-polished and cleaved bare optical fiber with just one click. FiBO makes sophisticated interferometry easy and affordable.

Applications

- Bare fiber measurement up to 1500 microns in diameter
- Specialty fiber endface analysis
- High power laser components
- Ribbon fibers
- Single- and multi-mode optical connector testing
- Cleaved fiber inspection
- Angle-polished fiber up to 50 degrees
- Micro-optic components

System Features

- High resolution 3D surface profiling
- 3.4x, 10x and 20x selectable optical magnification
- Kinematic Adapters for fiber optic connector endface defect and geometry testing
- Accepts VATS™ (Variable Angle Tilt Stage) and BFC™ (Bare Fiber Chuck)
- Powerful, easy-to-use FiBO Code™ software
- Optional NIST/ISO-traceable 2D/3D calibration targets
- Vibration insensitive and compact design
- Accepts Fiber Ribbon Stage for ribbon fiber analysis

Specifications

Size	Height 6.5" (165mm) Diameter 3.15" (80mm)		
Weight	3.0 lbs (1.4 kg)		
Optical source	458nm LED		
Optical magnification	3.4x	10x	20x
On-screen magnification	160x	480x	960x
Height resolution	2nm	2nm	2nm
High resolution	0.64 µm/px	0.22 µm/px	0.11 µm/px
Standard resolution	1.34 µm/px	0.45 µm/px	0.24 µm/px
FOV diagonal	1300 µm	450 µm	225 µm
Connector adapters	FC/PC, FC/APC, LC/PC, LC/APC, LSH/PC, LSH/APC, MU/PC, SC/PC, SC/APC, ST, 1.25mm, 1.6mm, 2.0mm, 2.5mm, 3.2mm Ferrules (custom adapters also available)		
Accessories	VATS, BFC, FRS		
Measurement technique	Non-contact, phase-shifting Michelson interferometer		
Computer interface	USB 3.0 (cable included)		
Power supply	Power supplied through USB 3.0 port		
Software	FiBO Code™ (Windows® 7, 8, 10)		
Radius of curvature (mm)	0.1 / 0.25% mm		
Apex offset	0.5 / 1 µm		
Fiber height (nm)	1 / 1.5nm		



The FiBO® 300 Package Includes:

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|--------------------------|---------------------|
| FiBO® 300 Interferometer | FiBO Code™ software |
| Laptop computer | 1 connector adapter |
| Calibration targets | Rugged case |
| USB 3.0 cable | |

Specifications are subject to change without notice.