# Fibo® 200 // BASIC CONNECTOR TESTING

## Inspect fiber optic connectors on-site

FiBO® 200 Interferometer is an economical solution for complete and accurate fiber optic connector endface testing. High resolution 3D surface metrology and automated defect detection are combined in one robust, compact system for quick and easy inspection on the production floor or in the field.

#### **Applications**

- Duplex SC, LC
- Ribbon fibers
- Specialty OE interconnects
- Telecom field service
- Supplier qualification

## System Features

- Comprehensive testing of PC and APC connectors and ferrules
- Radius of curvature, fiber height and apex offset measurements
- Automatic pass/fail defect analysis
- Quick, manual focus adjustment
- High resolution imaging optics for accurate results
- Patented kinematic adapters for exact fiber positioning
- User-friendly FiBO Code<sup>™</sup> software
- Compliance with IEC/TIA measurement standards
- Quick and easy ISO/NIST traceable calibration
- Accepts Fiber Ribbon Stage for ribbon fiber analysis

#### **Specifications**

Size	Height 5.1" (130mm) Diameter 3.35" (85mm)
Weight	3.0 lbs (1.4 kg)
Optical source	458nm LED
Optical magnification	10x
On-screen magnification	480x
Height resolution	2nm
High resolution	0.22 μm/px
Standard resolution	0.45 μm/px
FOV diagonal	450 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	FRS, VATS, BFC
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 <sup>™</sup> (Windows <sup>®</sup> 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<sup>®</sup> 200 Package Includes:

FiBO® 200 Interferometer Calibration targets USB 3.0 cable FiBO Code<sup>™</sup> software Rugged case