

# FiBO® 250 // ADVANCED FIBER TESTING

## Accurately evaluate fiber optic connectors and termini on-site

FiBO® 250 interferometer is a fully automated solution for fast and accurate fiber optic connector endface testing. 3D surface metrology and advanced defect detection capabilities are combined in one compact and portable system.

### Applications

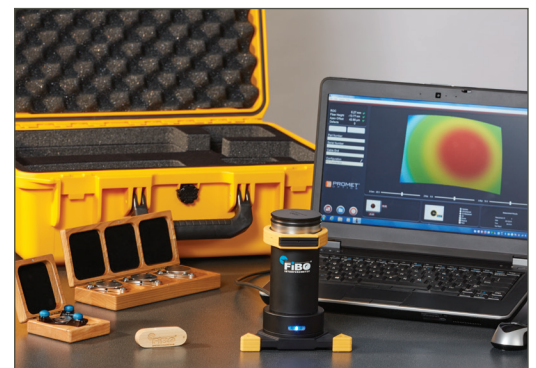
- Fiber production
- Supplier qualification
- Platform testing
- QA inspection and documentation
- Go/No-go evaluation
- Aerospace/military vehicle field service

### System Features

- Automatic radius of curvature, fiber height and apex offset measurements
- Patented PhaseLock™ defect detection technology
- High resolution imaging for accurate results
- Auto-focus optics with dedicated scope mode
- Patented kinematic adapters for exact fiber positioning
- Change adapters without calibration
- Vibration-insensitive, compact design
- User-friendly FiBO Code™ V3.0 software
- Compliance with IEC/TIA measurement standards
- Quick and easy ISO/NIST traceable calibration

### Specifications

Size	Height 6.5" (165mm) Diameter 2.5" (64mm)
Weight	2.2 lbs (1.0 kg)
Optical source	458nm LED
Optical magnification	10x
On-screen magnification	480x
Height resolution	2nm
Lateral resolution	0.56 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	BFC, FST
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™ V3.0 (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® 250 Package Includes:

- |                          |                     |
|--------------------------|---------------------|
| FiBO® 250 Interferometer | FiBO Code™ software |
| Laptop computer          | 1 connector adapter |
| Calibration targets      | Rugged case         |
| USB 3.0 cable            |                     |

Specifications are subject to change without notice.