

DORC ZX-1 micro PMS+

Automated Single-Fiber Interferometry for Fast, Accurate Connector Measurement

Overview

The VIAVI DORC ZX-1 micro PMS+ is a fifth-generation interferometer designed for the measurement of single-fiber PC and APC connectors and fiber cleaves. Built on a patented Michelson-based architecture and refined through nearly 30 years of product development, the system delivers high-resolution 2D and 3D imaging with exceptional accuracy, repeatability, and ease of use.

Engineered to minimize operator involvement, the ZX-1 micro PMS+ automates centering, focusing, reference mirror calibration, and measurement initiation, allowing users to simply insert the connector and measure. Patented RFID-based Connect ID™ technology enables instant apex offset calibration in a single measurement, dramatically reducing setup time when changing chucks and helping maximize productivity.

The compact, laptop-controlled system features a hermetically sealed optical module and fan-less design that resist dust, contamination, and vibration, making it equally suited for manufacturing. A modular architecture allows customers to start with the configuration they need today and expand system capabilities over time without replacing the base platform.

To simplify long-term ownership, calibration data, software, and complete system backups are stored directly on the instrument, enabling rapid recovery from PC failures, corrupted files, or system interruptions. Results are automatically saved in Microsoft Excel® format, while integrated inspection and scratch analysis capabilities eliminate the need for additional test equipment.



Features

- Measures single-fiber connectors and fiber cleaves
- Patented RFID Connect ID™ instant calibration technology
- Automated centering, focus, and calibration
- High-resolution 2D and 3D imaging
- Compact, sealed, vibration-resistant design

Benefits

- Reduces setup and measurement time
- Improves repeatability and reproducibility
- Minimizes operator training and intervention
- Supports future expansion through a modular platform
- Lowers maintenance and ownership costs

Applications

- Fiber optic connector manufacturing
- Quality control and inspection
- Fiber cleave verification
- R&D and process development
- Automated production environments

Ordering Information

Item	Description
ZX-1 micro PMS+	DORC ZX-1 micro PMS+ Interferometer



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