

VIAVI

Fiber Testing with the ONX – empower techs to solve problems on the first visit

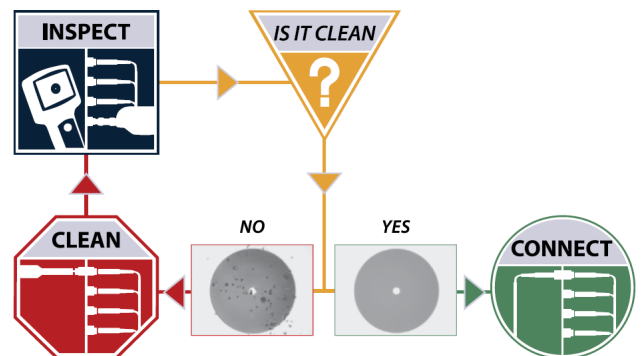
Fiber to the home brings challenges as workgroups consolidate and must verify and troubleshoot both coax or copper and fiber networks. The ONX empowers techs to solve problems with all the tools needed.

Fiber Inspection

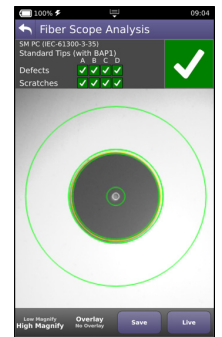
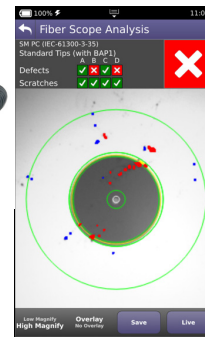
Contamination — The #1 Reason for Fiber Network Failures

- Dirty connectors cause 80% of field test failures
- Microscopic debris degrades signal performance and can cause permanent damage to connectors and the equipment they are plugged into
- Mating dirty connectors can break apart debris, spreading it across the fiber end face

Fiber inspection and cleaning are critical components in a comprehensive fiber deployment and operation strategy. While standards bodies have established acceptance criteria for the quality and cleanliness of fiber connector end faces, technicians still face challenges with implementing these practices. A single particle mated into the core of a fiber can cause significant back reflection, insertion loss and even equipment damage.



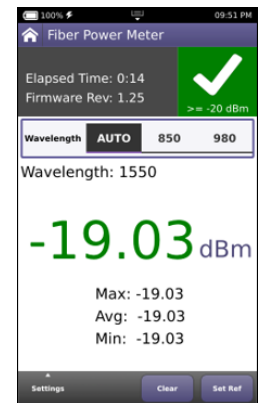
The ONX accessory P5000i fiber microscope removes guesswork from fiber inspection and provides a reliable and objective pass/fail analysis of the fibers that connect customers to your network, ensuring the best user experience possible.



Optical Power

Low power level – no service turn-up

A fundamental measurement to verify that light is present and at the right level, optical power tests are a troubleshooting essential. MP-60/80 power meters have size, functionality, and ease-of-use characteristics that make them extremely useful and practical tools for testing optical power levels. The simple, straightforward, and intuitive ONX interface offers a well-organized digital solution for both fiber inspection and test procedures.



OTDR

Fiber breaks – locate faults on your fiber

Techs need to measure and validate characteristics of optical elements in a fiber link with pre-defined pass/fail thresholds per IEC/TIA standards. The SmartOTDR SL can be controlled with an ONX and provides a clear diagnosis of faulty optical elements (splice, connector), as well as locating fiber cuts and breaks.

The SmartOTDR SL has been specifically designed with an FTTH technician's on-site operations in mind, to validate the proper installation of the last mile and troubleshoot physical layer fiber issues. Using a 1650nm filtered wavelength, it allows in-service measurement without disturbing services to other subscribers. The summary view of results gives a clear pass/fail status of the optical link, while the Smart Link Mapper (SLM) icon-based representation provides in-depth information about each passive optical network element.

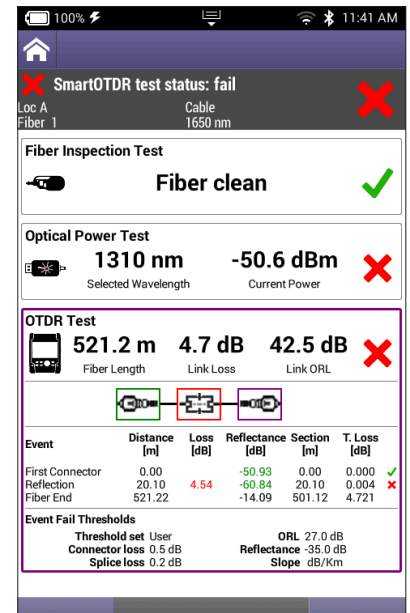


OneCheck Fiber

The ONX consolidates fiber testing with OneCheck Fiber, which can include pass/fail and close-out test results for:

- Inspection
- Power
- OTDR

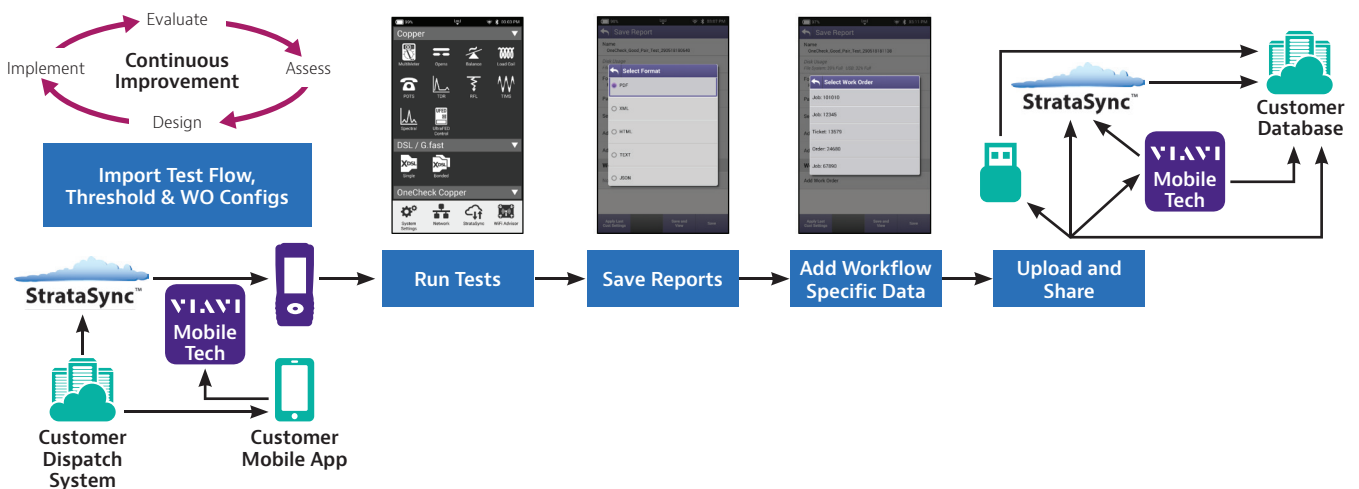
The ONX guides the user through the tests and ensures compliance with your process.



Asset/Test Data Management and Workflow

With the workflow option in StrataSync, each tech's meter can be updated with a day's workorders, enabling a tech to choose the workorder that matches the current task, perform the prescribed tests, and close it out with data uploaded for management – with a smooth, simple process. Get confirmation that techs and contractors have performed the work with geo-tagged test reports uploaded via the Mobile Tech App.

The test process is smoother and easier for techs with workflow enhanced with smooth work order integration and closeout. The StrataSync workflow option enables simpler compatibility with service operator and contractor work order systems. This means that test flow, pass/fail thresholds, and work orders can be relayed to the ONX, enabling the tech to select an assigned work order and perform tests to prescribed thresholds as guided through the flow. The work order related test data can then be included in a report and uploaded for management.



Ordering Information

Product	Description	Part Number
MP-60	USB optical power meter, includes software, 2.5mm interface, 1.25 interface, 30" (75cm) USB extender, carrying pouch	MP-60A
MP-80	USB optical power meter, High Power - Includes software, 2.5mm interface, 1.25 interface, 30" (75cm) USB extender, carrying pouch	MP-80A
P5000i	Digital USB Fiber Inspection Probe (6-tip kit): soft case, inspection tips for SC-UPC, SC-APC and LC-UPC	FBP-SD101
SmartOTDR SL	Filtered 1650nm A-range with SC/APC connector	ESL18FA65-APC
SmartOTDR SL	Filtered 1650nm A-range with PON/XGS-PON (1490/1550/1578nm) power meter and SC/APC connector	ESL18FA65PPMAPC



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