Manufacturer:
Viavi

Product Name:
Viavi SmartClass™ HD4i Digital Handheld Video Display Pro Kit with Patch Cord Module & Probe Scope
Manufacturer Part Number:
FBP-SD4IP-PRO

Click here for more details on the Viavi SmartClass™ HD4i Digital Handheld Video Display Pro Kit with Patch Cord Module & Probe Scope

VIAVI Solutions

Brochure

VIAVI
SmartClass
Fiber Handheld Solutions

Inspect, Test, Save, and Certify with One Compact Device

Optical fiber is the lifeline in today's networks, therefore, fiber technicians must follow best practices and be able to prove the quality of their work by certifying the network's speed which to build confidence with providers. The new SmartClass™ Fiber Family of optical handheld tools integrate automatic pass/fail certification for inspecting fiber and measuring optical power with one portable device.

SmartClass Fiber devices give technicians ultimate flexibility and performance in one powerful, easy-to-use device that instantly turns them into fiber-smart technicians.

Cut testing and certification time in half and give customers confidence in their network quality at the push of a button with SmartClass Fiber Handheld solutions.

Benefits
- Complete jobs faster, correctly, and on time—the first time
- Eliminate subjective guesswork with pass/fail analysis results
- Easily generate certification reports
- Flexibility for use anywhere!

Features
- Provide certification reports with pass/fail fiber connectivity analysis
- Standardize fiber inspection, analysis, and testing methods throughout the fiber network
- Install, test, and maintain fiber systems where portability is essential, such as in FTTX, BPON/EPON/GPON, FTTA, and data centers

Applications
- Automated pass/fail analysis for fiber inspection and test
- Store all fiber inspection and test results on board
- Easily generate fiber certification reports
- 3.5" color touch screen user interface

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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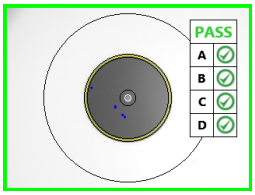
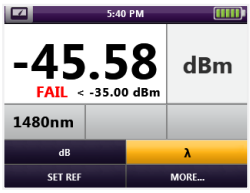
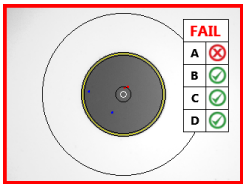
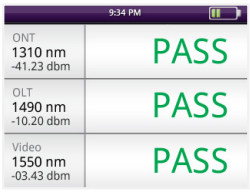
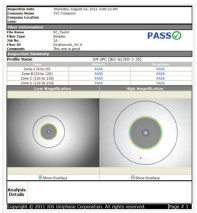
Help Technicians Work *Fiber Smart*

- **Integrate** fiber inspection and test into one efficient, easy-to-use solution that promotes fiber-handling best practices.
- **Automate** fiber inspection and optical power measurement with pass/fail results that eliminate subjective guesswork.
- **Store** test results, images, and user information directly on the device.
- **Follow best practices** with features that incrementally step users through a proper test workflow.

Inspect, Test, Save, and Certify ... on One Compact Device

Inspect	Test	Save and Certify
	Broadband power meter (OLP-82) 	Save results on board
	PON power meter (OLP-87) 	Generate certification reports 
Inspect to industry specifications, such as IEC-61300-3-35, without subjective guesswork. Generate automated pass/fail results at the push of a button.	Accurately measure optical power for multiple wavelengths, program pass/fail thresholds, set reference measurements, create custom wavelengths, and link OPM readings to inspection results.	Build customer confidence in work quality with inspection and measurement results you can store on the SmartClass fiber device then later connect to a PC to export the results and generate certification reports.

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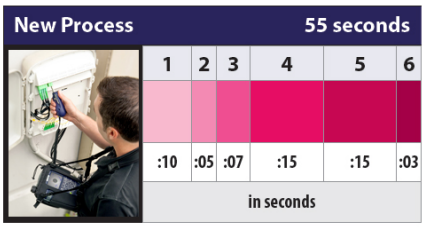
Finish Jobs in Half the Time

Achieving optimized performance requires systematic, proactive methods that many technicians find troublesome and confusing. SmartClass Fiber tools overcome these barriers with essential tools integrated together into a seamless system that is fast, portable, and easy to use.

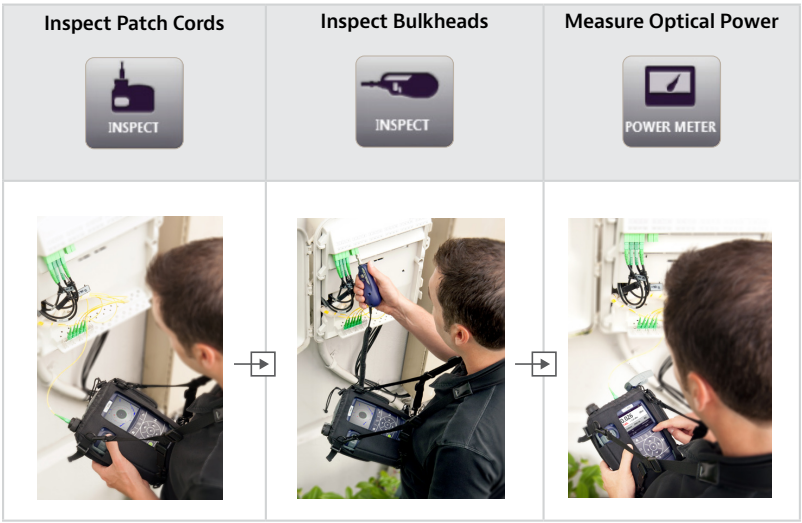
Steps	
1	Inspect patch cord
2	Clean, re-inspect, and save image of the patch cord
3	Inspect bulkhead port
4	Clean, re-inspect, and save image of the bulkhead
5	Measure optical power and save data
6	Move to next port



Drive User Behavior for Best Practices

Every SmartClass Fiber device features an input select key that incrementally steps users through each application as it *should* be used in a proper test workflow. This feature is highly valuable for users of any skill level and guides users with a simple step-by-step repeatable process that is easy to follow and ensures jobs are done right, the *first* time.

- Guides users through a proper test workflow with a simple step-by-step repeatable process that is easy to follow
- Ensures jobs are done right, the *first* time
- Drives user behavior to ensure best practices



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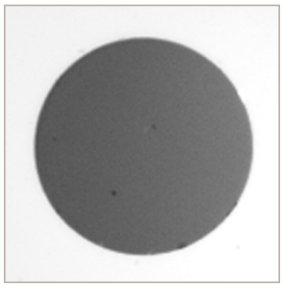
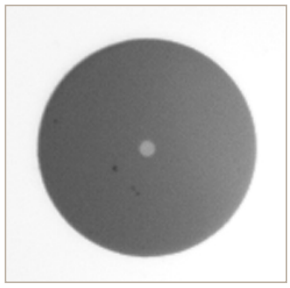
Inspect Fiber End Faces with Pass/Fail Analysis

Contaminated connectors are the primary cause for troubleshooting in optical networks which drove the industry and International Electrotechnical Commission (IEC) to release IEC 61300-3-35, a global standard that establishes acceptance criteria for the quality and cleanliness of the fiber connector end face. Comparing fiber connectors to a standard or specification is difficult and time-consuming without the proper tools; however, SmartClass Fiber tools eliminate these challenges. Regardless of the standard or customer-specific requirements, users can easily inspect and certify fiber connector end faces with automated pass/fail analysis at the push of a button.

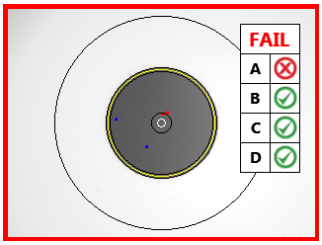
- Test to specifications without confusion
- Get fast results at the push of a button
- Certify compliance to the industry standard (IEC) or to customer specifications
- Eliminate subjectivity from the measurement process with automated pass/fail analysis

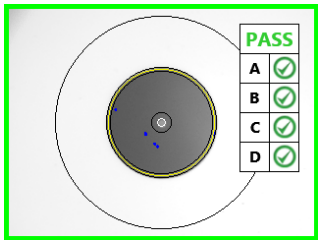
Which of these Connectors Meets the IEC Spec?





SmartClass Fiber Tools Provide the Answer.





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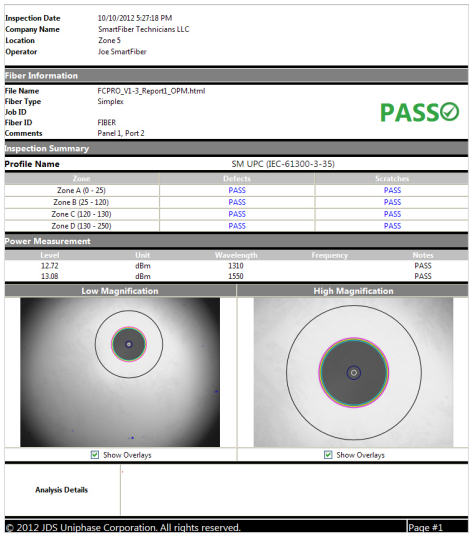
Generate Certification Reports

- Prove work quality.
- Save results for easy recordkeeping.
- Easily export records to PC.
- Print reports or send by e-mail.



Inspection Date	10/10/2012 5:27:18 PM
Company Name	SmartFiber Technicians LLC
Location	Zone 5
Operator	Joe SmartFiber

Fiber Information

File Name	FCPRO_V1-3_Report1_OPM.html
Fiber Type	Simplex
Job ID	
Fiber ID	FIBER
Comments	Panel 1, Port 2

PASS

Inspection Summary

Profile Name: SM UPC (IEC-61300-3-35)

Zone	Defects	Scratches
Zone A (0 - 25)	PASS	PASS
Zone B (25 - 120)	PASS	PASS
Zone C (120 - 130)	PASS	PASS
Zone D (130 - 250)	PASS	PASS

Power Measurement

Level	Unit	Wavelength	Frequency	Notes
12.72	dBm	1310		PASS
13.08	dBm	1550		PASS

Low Magnification | High Magnification

Show Overlays | Show Overlays

Analysis Details

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Use it Anywhere

The hands-free carrier for SmartClass Fiber tools lets technicians take the device wherever the job takes them.

- Demarcation points
- Cell towers
- Telephone poles
- Inside homes

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VIAVI SmartClass Fiber Solutions

OLP-82 Series
Optical Power Meter with
Digital Video Display

HD4i Series
Digital Video Display

OLP-87 Series
PON Power Meter with
Digital Video Display

Ordering Information

Stand-Alone Units

Description	Part Number
OLP-87	
OLP-87 FTTx Power Meter 1310/1490 nm, PC	2305/01
OLP-87 FTTx Power Meter 1310/1490 nm, APC	2305/21
OLP-87 FTTx Power Meter 1310/1490 nm, SC-APC	2305/26
OLP-87 FTTx Power Meter 1310/1490/1550 nm, PC	2305/11
OLP-87 FTTx Power Meter 1310/1490/1550 nm, APC	2305/31
OLP-87 FTTx Power Meter 1310/1490/1550 nm, SC-APC	2305/36
OLP-82	
HD4i Digital Handheld Video Display	FBP-HD4i
HD4iP Digital Handheld Video Display, Dual-Mag Patch Cord Module	FBP-HD4iP
OLP-82 Digital Handheld Video Display, Integrated Optical Power Meter	2315/01
OLP-82 Digital Handheld Video Display, Integrated High-Power Optical Power Meter	2315/03
OLP-82P Digital Handheld Video Display, Dual-Mag Patch Cord Module, Integrated OPM	2316/01
OLP-82P Digital Handheld Video Display, Dual-Mag Patch Cord Module, Integrated High-Power OPM	2316/03

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Ordering Information continued

Kits	
OLP-87	
OLP-87 1310/1490 SC-APC Basic Kit	FIT-8726
OLP-87 1310/1490 SC-APC Pro Kit	FIT-8726-PRO
OLP-87 1310/1490/1550 SC-APC Basic Kit	FIT-8736
OLP-87 1310/1490/1550 SC-APC Pro Kit	FIT-8736-PRO
OLP-82	
HD4i Basic Kit	FBP-SD4i
HD4i Pro Kit	FBP-SD4i-PRO
HD4iP Basic Kit	FBP-SD4iP
HD4iP Pro Kit	FBP-SD4iP-PRO
OLP-82 Basic Kit	FIT-8201
OLP-82 Pro Kit	FIT-8201-PRO
OLP-82P Basic Kit	FIT-82P01
OLP-82P Pro Kit	FIT-82P01-PRO
OLP-82P High Power Basic Kit	FIT-82P03
OLP-82P High Power Pro Kit	FIT-82P03-PRO