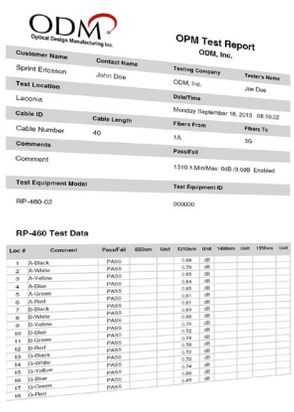
ODM
Optical Design Manufacturing Inc.

TTK 650

FIELD INSPECTION, TEST AND CLEANING KIT



OPM Test Report
ODM, Inc.

Customer Name	Contact Name	Testing Company	Testers Name
Sprint Ericsson	John Doe	ODM, Inc.	Joe Doe
Test Location		Date/Time	
Laconia		Monday September 16, 2013 08:10:22	
Cable ID	Cable Length	Fibers From	Fibers To
Cable Number	40	1A	3G
Comments		Pass/Fail	
Comment		1310 λ Min/Max: 0dB /3.0dB Enabled	
Test Equipment Model		Test Equipment ID	
RP-460-02		000000	

RP-460 Test Data

Loc #	Comment	Pass/Fail	850nm	Unit	1310nm	Unit	1490nm	Unit	1550nm	Unit
1	A-Black	PASS			0.68	dB				
2	A-White	PASS			0.79	dB				
3	A-Yellow	PASS			0.65	dB				
4	A-Blue	PASS			0.64	dB				
5	A-Green	PASS			0.65	dB				
6	A-Red	PASS			0.81	dB				
7	B-Black	PASS			0.83	dB				
8	B-White	PASS			0.66	dB				
9	B-Yellow	PASS			0.75	dB				
10	B-Blue	PASS			0.72	dB				
11	B-Green	PASS			0.74	dB				
12	B-Red	PASS			0.59	dB				
13	C-Black	PASS			0.72	dB				
14	C-White	PASS			0.72	dB				
15	C-Yellow	PASS			0.74	dB				
16	C-Blue	PASS			0.66	dB				
17	C-Green	PASS			0.65	dB				
18	C-Red	PASS								

Features

Fiber Connector Inspection

- USB connectivity to 8" tablet (included) allows for automated and manual fiber endface inspection
- Comprehensive PASS/FAIL analysis compliant with IEC 61300-3-35 industry standard

Connector Cleaning

- Complete wet/dry cleaning system ensures the cleanest fiber endfaces possible
- Materials included for 1000 connector cleanings

dB Loss Testing

- Optical Power Meter with archiving ability and streaming data to tablet via USB
- Included laser light source provides telecom industry standard wavelengths for testing loss in single mode systems
- Includes patchcords and adapters necessary for testing single mode paired fiber (loopback) installations (LC + SC)

Fiber Identification/Fault Location

- VF610 red laser allows observation of bends and breaks in fibers under test

8" Windows 8.1 OS Tablet Included

Description

ODM's TTK 650 provides test technicians and contractors with high-end hardware and software to guarantee industry standard compliance in single mode fiber optic-based telecommunications. The TTK 650 contains all equipment necessary to inspect, clean, and test fiber optic cables, while ODM's proprietary software allows for professional closeout reporting.

The VIS 400 HDP probe connects with the included 8" Windows OS tablet to allow testers to evaluate and grade connector endfaces using IEC standards before joining fibers.Manual and automated analysis modes guarantee clean and reliable optical connections.

To properly clean connector endfaces that fail to meet the IEC standard, the TTK 650 contains a complete system of "one-click" dry cleaners and the SqR Cleaning Pad with Fiber Wash Pen for wet/dry cleaning. When used correctly, these tools can clean endfaces to meet the IEC 61300-3-35 industry standard.

The RP 460 Optical Power Meter, when used in conjunction with the DLS 355 Light Source and included jumpers, offers complete loopback dB loss readings for the most commonly used transmission wavelengths for wireless carriers. The Optical Power Meter can be used in conjunction with inSpec™ software to provide live readings for image archiving and closeout loss reports.

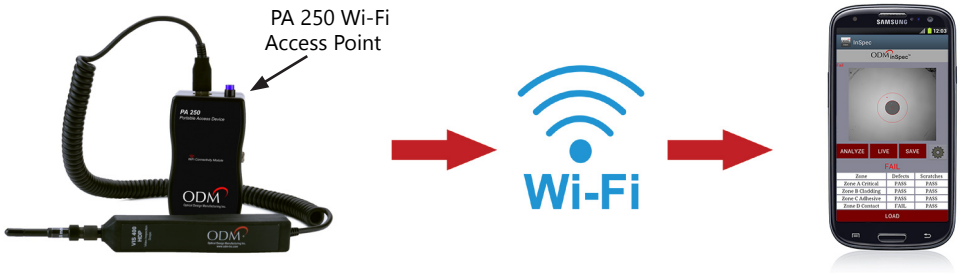
The VF 610 Visual Fault Locator provides a 635nm red laser source that allows technicians to view bends or breaks in optical fiber. Broken fibers must be removed from fiber optic systems to ensure full functionality.

Components & Functions

MODEL	DESCRIPTION	APPLICATION
DLS 355	Dual Laser Source 1310nm/1550nm SC Conn.	Single mode fiber light source for dB loss testing
RP 460	Power Meter w/ Zero dB/Set Ref, 1000 data point store & USB download	Power meter used with light source for dB loss measurement and storage, and USB transfer to PC for closeout documentation
VIS 400	Video Inspection Scope w/USB and InSpec™Software, LC, SC, 1.25mm and 2.5mm adapter tips included	Portable connector inspection device to view connector endfaces and ensure connectors meet IEC standard after proper cleaning
TAB 008	Dell Tablet (or equivalent)with Case and Charger	Allows for touch-based fiber endface inspection with the VIS 400 HDP probe and inSpec application
AC 029	LC Adapter for RP460 Optical Power Meter	Allows LC connection to optical power meter
AC 300	CR2 Battery Kit / 5 per pack	Spare Battery Kit
AC 523	LC-clipped LC-SC, SM, 9/125 Fiber, 1 Meter Cable	Fiber patch cord to allow calibration of test instruments for complete system dB loss test
AC 4500	SM Loopback with Lanyard	Allows for calibration of equipment and test of loopback installations
VF 610	635nm Red Laser	Allows user to observe bends and breaks in optical fiber
AC 602	LC-LC Adapter	LC adapter to allow access to LC duplex connector on Optical Jumper Cable
AC 805	Micro USB Cable	Stream live images of fiber endfaces from VIS 400 to Dell Tablet for endface inspection and closeout documentation
CK 092	SqR Pad with Fiber Wash Pen	Wet/Dry cleaning system for connector endfaces
AC 089	One Click Connector Cleaner	For LC connector ends and bulkheads for quick “dry” clean only
AC 015	Pelican Style Hard Carry Case	Large protective carrying case for all instruments and accessories

Options

MODEL	INCLUDES
PA 250 - Portable Access Device	Portable Access Device acts as a WiFi hotspot, allowing for wireless fiber imaging and dB loss readings. Connects to VIS 400 via USB connection and transmits images to smartphones and tablets running inSpec application



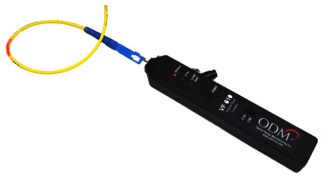
inSpec Available On:

ANDROID APP ON Google play

Available on the App Store

Visual Endface Inspection

dB Loss Testing



Fault Location

Wet/Dry Cleaning

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