



VIS 400

High-Definition Visual Inspection Scope Automated Fiber Inspection with inSpec™ Software

Benefits

- » Perform fiber inspection at the touch of a button. ODM's automated analysis algorithms give clear PASS/FAIL results in seconds.
- » Compatible with the most popular mobile platforms. Plug directly in to a Windows PC/tablet, or connect to Android/iOS devices via Wi-Fi with the PA 255B.
- » Create straightforward reports for proof of completed work. ODM's inSpec™ software provides a fast solution for saving, sending, and archiving fiber images.
- » Quickly inspect hard-to-reach fiber in dense patch panels. Simply insert the VIS 400 scope into a fiber bulkhead, rotate the probe body to focus, and press the button to analyze. This method ensures that already-installed fibers will not be disturbed during inspection.

Features

- » Automatic PASS/FAIL analysis to meet IEC 61300-3-35 standard
- » Hardware button initiates image analysis and capture on any software platform
- » Easy USB connection to Windows laptops and tablets
- » Stream live images from VIS 400 to Android/iOS smartphones and tablets with the PA 255B device
- » Unique external focus system and enhanced magnification produce crystal-clear HD images
- » Quick-change adapter tips for all connector styles

The VIS 400 inspection scope allows test technicians to inspect and grade fiber endfaces by offering the most detailed image possible. When used in conjunction with ODM's proprietary InSpec™ software the VIS 400 ensures compliance with the IEC 61300-3-35 standard.

ODM's software grades fiber ends based on the four critical zones outlined in the industry standard. Tapping or mousing over debris provides details on each detected defect. The VIS 400's high-definition camera allows the software to distinguish defects as small as one micron, eliminating guesswork when determining endface acceptability.

The VIS 400 provides a high-definition image with a 860μm x 640μm field of view, allowing technicians to see debris outside IEC specified zones. Debris on the periphery of the fiber end should be cleaned to avoid migration during connector mating. This procedure allows technicians to ensure connectors are completely clean for the most reliable optical link.

The "Capture" button on the VIS 400 probe body initiates automatic analysis within ODM's inSpec™ software on multiple platforms. When combined with ODM's proprietary external focus mechanism, this ensures that technicians do not need to remove their hand from the probe when inspecting hard-to-reach fibers.

With ODM's optional Portable Access Device (PA 255B), technicians can stream live images of fiber ends from the VIS 400 to the InSpec™ app on any Wi-Fi enabled smartphone or tablet. The InSpec™ app allows users to inspect, grade, and archive images on their wireless device.

The VIS 400 inspection scope is included in many of ODM's complete test kits. The standalone probe comes with 4 standard inspection tips (SC, LC, 1.25mm and 2.5mm) in a hard carry case.

Specifications

HD Inspection Scope	
Camera	Megapixel - HD - CMOS Sensor
Field of View	860µm x 640µm
Resolution	<1µm
Lighting Technique	Coaxial
Focus System	ODM Proprietary External Focus
Probe Output	USB 2.0
PASS/FAIL Analysis	User Selectable or IEC 61300-3-35
Size	7" x 1" x 0.75"
Weight	1.2 lb (0.54kg)



VIS 400 with PA 255B - Wi-Fi Connection to Android and iOS

Inspection Options

inSpec™ for Windows		
Compatible Platforms	Connection Method	Functions and Features
Any PC/tablet with Windows 7 OS (or later)	Plug VIS 400 directly into PC or tablet with USB 2.0 connector	Perform automated and manual fiber endface analysis using IEC 61300-3-35 criteria. Save images into project folders in Windows' native file management system controlled via inSpec™ interface. Create closeout reports with thousands of images in one file, or create "VIS Reports" with two images and dB loss reading attached (external OPM required).
VIS 300C Test Platform		
Compatible Platforms	Connection Method	Functions and Features
Any model of VIS 300C	Plug VIS 400 directly into VIS 300C with USB 2.0 connector	Perform automated fiber endface analysis using IEC 61300-3-35 criteria. Save images to project folders, create closeout reports, and share results via Wi-Fi or USB transfer. (Optional components to VIS 300C hardware include OPM and VFL for power meter testing and visual fault location/troubleshooting).
inSpec™ for Android and iOS		
Compatible Platforms	Connection Method	Functions and Features
iPhones and iPads Android smartphones and tablets	Wi-Fi connection using PA 255B wireless access device	Perform automated fiber endface analysis using IEC 61300-3-35 criteria. Save images to project folders, create closeout reports, and share results via Wi-Fi. (PA 255B can be outfitted with onboard OPM to combine power meter testing into closeout reports.)

Ordering Information

Standalone Unit	
Part Number	Description
VIS 400	HD inspection scope with USB 2.0 connector. External focus mechanism and hardware button to initiate automatic analysis in inSpec™ software. Connection to Windows PC/tablet or VIS 300C via USB. Connection to Android/iOS platforms via Wi-Fi when connected to PA 255B. Comes with 4 interchangeable inspection tips (LC, SC, 1.25mm and 2.5mm) in a hard carry case.
Test Kits	
Part Number	Description
TTK 916	Wireless Inspection Kit - PA 255B wireless device with VIS 400 HD inspection scope, LC, SC, 1.25mm, and 2.5mm inspection tips.
TTK 650	FTTA Test Kit - VIS 400 HD USB Connector Inspection Probe w/ Windows 8 Tablet, DLS 355, RP 460-02, VF 610, single mode loopback module, LC/SC single mode reference cables, LC connector adapters and inSpec™ software for Windows OS or Mobile Android and iOS, Hard Carry Case, Cleaning Kit for 1000 connector cleanings. 5 Inspection tips included (1.25mm, 2.5mm, SC, LC, and LC-60-degree).
TTK 720	FTTA Test Kit - Full inspection, cleaning, and test kit for SM fiber installations. Contains VIS 300C-PM-02 (VIS 300C monitor with OPM and VFL, and VIS 400 inspection probe), DLS 355, cleaning tools, and patch cords. Performs automated inspection on all fiber types, dB loss testing on SM paired fiber, fault location, and full dry and wet/dry cleaning procedures. 5 Inspection tips included (1.25mm, 2.5mm, SC, LC, and LC-60-degree).

ODM test equipment is furnished with a 2year warranty extending from the original date of purchase. Contact ODM for information on recalibration and repair of test equipment.

ODM makes every effort to ensure that all information in this data sheet is accurate. ODM Inc. assumes no responsibility for any errors or omissions and reserves the right to modify this document at any time without notice. Please contact ODM Inc. for pricing and availability of equipment.

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