

Accessories ► Measuring Tools ► Video Inspection Microscope



General Information

Damaged or contaminated connector end faces are the main cause for defects and faults in fiber-optic networks. Moreover, inspecting internal connectors in patch panels and active modules with conventional microscopes can be a very laborious work.

For the first time this video inspection microscope enables the inspection of single- and multi-fibre connectors. Power supply and image transfer are ensured via connection to the USB 2.0 interface of the PC or laptop, which runs the software for viewing the images and for automatic analysis of the connector end face quality according to IEC 61300-3-35. Alternatively, the video inspection microscope is available with a portable handheld monitor so that it can also be used without a USB connection and power supply.

Features

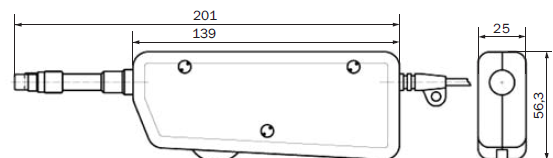
- Suited for monoblock, compound and multi-fibre ferrules
- Compact handheld probe with focusing feature for optimum adjustment to different connectors and ferrule lengths
- Including software for viewing and capturing the images of the connector end face

- Software for automatic analysis of the surface quality according to IEC 61300-3-35 included in standard shipment, custom inspection criteria can be implemented
- Cost-effective solution for inspecting connectors with the help of universal adapter instead of connector specific adapter
- Portable handheld monitor available
- Universal adapter for 2.5mm (PC), 2.5mm (APC) and 1.25mm (PC) as well as other ferrule or polishing angles available
- Connector specific adapter for inspecting internal connectors in patch panels and active modules available

Standard Shipment













- Video microscope with USB cable
- Capture software and inspection software

Dimensions



Specifications

General	
Camera Type	USB2.0 Monochrome
Sensor Type	1280 x 1024 Monochrome 1/2" CMOS
Live Image	800 x 800, 28 fps default, 1280 x 1024, 14 fps full resolution
Field of View	0.4 x 0.4 mm; Resolution 1 micron
Optical Zoom	12.5 x
Light Source	Blue LED, wavelength 470 nm
Power Source	USB 2.0 port of a PC / with portable handheld monitor via integrated battery
Cable	USB 2.0
Temperature Range	+ 5 to + 35 °C
Housing material	aluminium
Nose material	stainless steel
Weight	330 g (0.73 lbs)
System Requirements	
Operating System	Windows 7, Windows 10
Processor	Pentium 4; 3 GHz or higher; HT or dual-core recommended
RAM	256 MB, recommended 384 MB
Hard Disk Space	5 MB for installation plus additional space for captured images
Video	24 bit True Color, 8 MB video memory
Hardware Interface	USB 2.0 Host Controller, recommended Intel integrated host controller, (VIA-based) USB controller is not recommended) at least one USB 2.0 port for connection

Uni-Adapter							
Scopio-SC/FC/ST-PC for SC, FC and ST connectors with a 2.5mm ferrule and PC end face		Scopio-SC/FC/ST-APC for SC, FC and ST connectors with a 2.5mm ferrule and APC end face		Scopio-LC/MU-PC for LC and MU connectors with a 1.25mm ferrule and PC end face		Scopio-LC/MU-APC for LC and MU connectors with a 1.25mm ferrule and APC end face	
Connector Specific Adapter							
Scopio-SC-APC-Adapter for SC/APC connectors with mating adapter		Scopio-SC-PC-Adapter for SC/PC connectors with mating adapter		Scopio-FC-PC-Adapter for FC/PC connectors with mating adapter		Scopio-LC-PC-Adapter for LC/PC connectors with a 1.25mm ferrule and mating adapter	
Scopio-LSH-Adapter for LSH connectors with mating adapter		Scopio-LSH-HRL-Adapter for LSH-HRL connectors with mating adapter		Scopio-SMA2-Adapter for SMA connectors with a 3.2mm ferrule		Scopio-MPO-PC-Adapter for MPO/PC connectors with mating adapter	
Scopio- MPO-APC-Adapter for MPO/APC connectors with mating adapter	