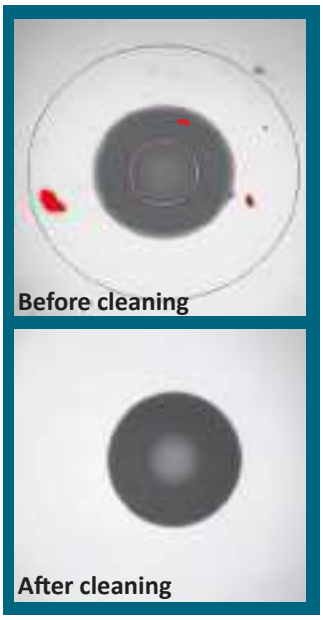
Best.nr: 12-1374

Fiber Microscope

DIREKTRONIK
Dataprodukter utöver det vanliga



Digital Fiber Microscope to inspect connector end-faces

Before testing fiber-optic links and every time fiber optic connectors are mated, connector end-faces should be inspected and evaluated to avoid contamination that can cause degradation of network performance and destructive damage in the contact zone. The new fiber microscope provides for a quick and easy inspection of connector end-faces and an automated “Pass/Fail” analysis compliant with IEC 61300-3-35.

The microscope is easily connected via USB with WireXpert as well as FiberXpert and the evaluation of connector end-faces can be added to the test reports.

Features

- Connector end-face evaluation at the touch of a button
- Automated analysis compliant with IEC 61300-3-35
- Ease of use and quick analysis
- Adapters for the most common fiber-optic connectors are included

Fiber Microscope

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Physical Characteristics	
Weight	0.110 g (3.88oz)
Dimensions	(w × h × d) 140x46x44 mm (5,5x1,8.x1.7 in)
General specifications	
General Technical	(typical at 25°C)
Low mag field-of-view (FOV)	Horizontal: 740 µm Vertical: 550 µm
High mag field-of-view (FOC)	Horizontal: 370 µm Vertical: 275 µm
Live image	640 x 480 fps
Connector	USB 2.0 (backwards compatible to USB 1.1)
Camera sensor	2560 x 1920, 1/2.5-in CMOS
Particle size detection	<1 µm
Light source	Blue LED, 100,000+ hour life
Accuracy	±1 m ± 10-5 x distance ± sampling resolution (excluding group index uncertainties)
Lighting technique	Coaxial
Power source	USB Port

Product	Part Number	Item Description
Digital Fiber Inspection Kit	WX_FX_INSP_KIT	Digital microscope with USB connection to WX4500 and tips for SC/ FC/LC/ U1211/U2511 connectors
Adapter FC/PC tip	WX_FX_INSP_FCPC	FC/PC tip for Digital Fiber inspection kit
Adapter FC/APC	WX_FX_INSP_FCAPC	FC/APC tip for Digital Fiber inspection kit
Adapter LC/PC tip	WX_FX_INSP_LCPC	LC/PC tip for Digital Fiber inspection kit
Adapter LC/PC tip Long Reach	WX_FX_INSP_LCPC_L	LC/PC tip for Digital Fiber inspection kit - Long Reach
Adapter LC/APC tip Long Reach	WX_FX_INSP_LCAPC_L	LC/APC tip for Digital Fiber in spection kit - Long Reach
Adapter SC/PC tip	WX_FX_INSP_SCPC	SC/PC tip for Digital Fiber inspection kit
Adapter SC/APC tip	WX_FX_INSP_SCAPC	SC/APC tip for Digital Fiber inspection kit
Adapter ST tip	WX_FX_INSP_ST	ST tip for Digital Fiber inspection kit
Adapter 1.25mm Patchcd PC	WX_FX_INSP_125PC	1.25mm Patchcord PC
Adapter 1.25mm Patchcd APC	WX_FX_INSP_125APC	1.25mm Patchcord APC
Adapter 2.5mm Patchcd PC	WX_FX_INSP_25PC	2.5mm Patchcord PC
Adapter 2.5mm Patchcd APC	WX_FX_INSP_25APC	2.5mm Patchcord APC

For more information please contact:

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