

Ascentac

Optical Fiber Inspector

Ascentac OFI400



One-touch Fast Capture, Analyze and Grade the Fiber End-face Real-time Image and Quickly Obtain a Reliable Pass/Fail Result

Ascentac OFI400 Series, Optical Fiber Inspector, is used to inspect the cleanliness of fiber-optic connector end-faces before attaching them to equipment or patch panels. The poor optical signal performance and potential equipment damage can be avoided.

Ascentac OFI400 Series can verify whether fiber end-faces are contaminated or damaged. It characterizes detectable resolution less than 1 μm and 400X magnification. The real-time image of fiber-optic end-face can be shown on mobile devices via a USB port or Wi-Fi. This intelligent inspector is compatible with Android and IOS.

Ascentac OFI400 Series removes the guesswork from fiber inspection and provides reliable and objective Pass/Fail result. It helps technicians exclude problems related to contaminated connector end-faces and markedly improves the quality of optical fiber networks.

Benefits

- Automatic image centering for real-time viewing
- Auto analysis (Pass/Fail result) based on IPC 8497-1 standard or IEC 61300-0-35
- Compatible with Android and IOS via Wi-Fi or USB connection
- 400X magnification & Less than 1 μm resolution
- Generate detailed reports
- Compile with CE/CEM and ROHS standards

Application

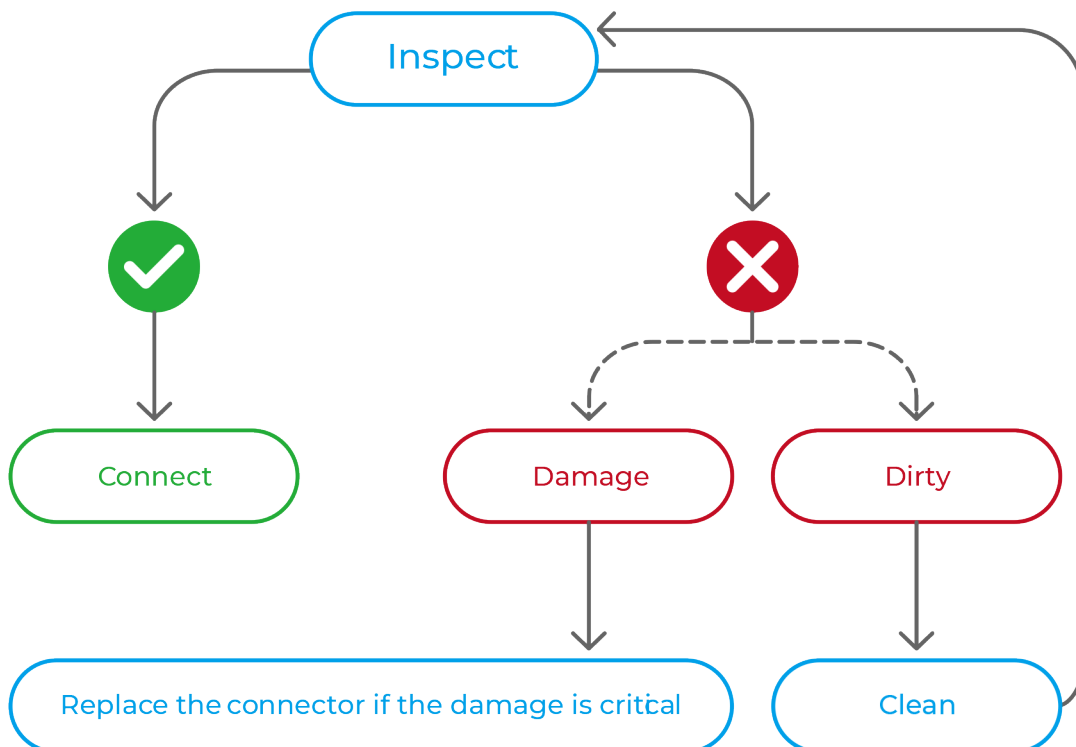
- Cleanliness inspection for fiber-optic connector end-faces
 - SC, FC, LC or E2000 - PC or APC - Male or Female
 - ST - PC - Male or Female
 - MU - PC - Male or Female
 - MT - RJ - Male or Female
 - MPO - PC or APC - Female

Description

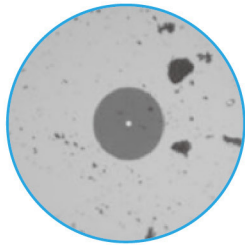
- ① Interchangeable tip
Available to a wide range of connectors
e.g. APC, UPC and more
- ② Power On/Off & Quickswitch (WIFI/USB) Button
- ③ Focus wheel
- ④ Batteries indicator
The light will flash when the battery level is too low.
- ⑤ • Micro-USB power input
• Light indicator
Red: charging status
Green: fully-charged status
- ⑥ LED flashlight bulb



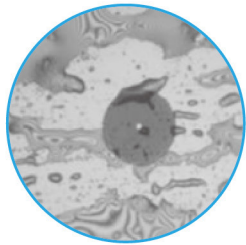
How to Prevent Dirty End-face from Impacting On Fiber-optic Network



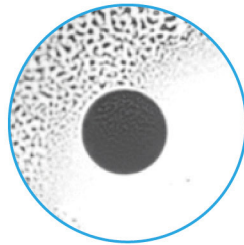
What Is Dirty End-face? & How Does Dirty End-face Impact On Fiber-optic Network?



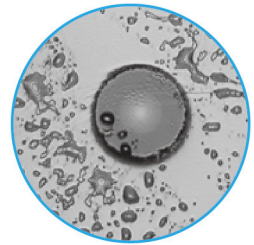
Dust & Particles



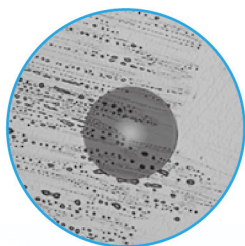
Liquid contamination



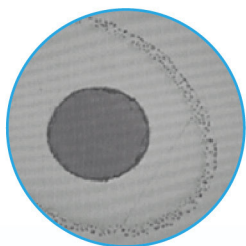
Alcohol residue



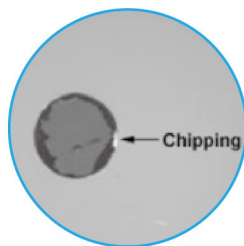
Oil residue



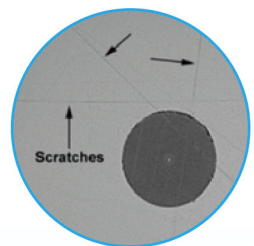
Oil from fingertip



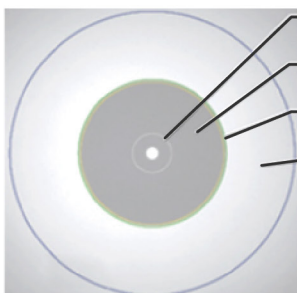
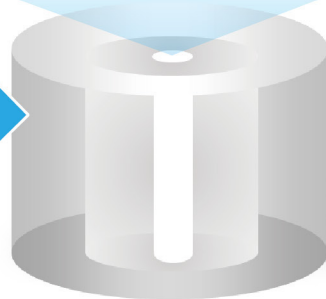
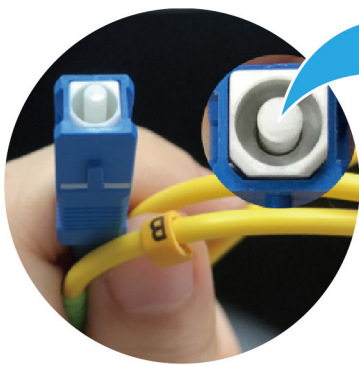
Dry residue



Chipped cladding



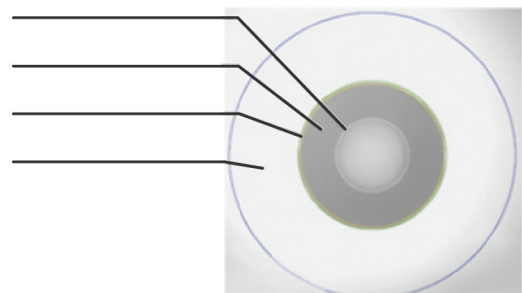
Scratches



Single-mode Fiber

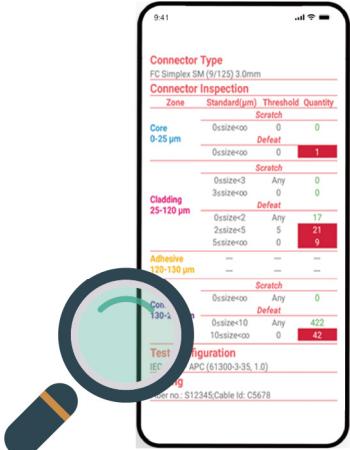
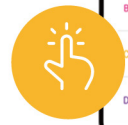
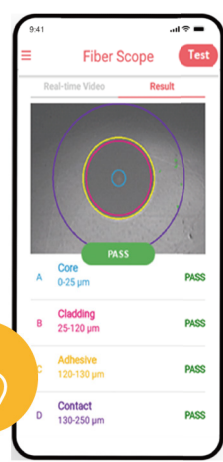
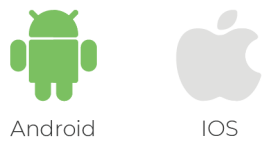
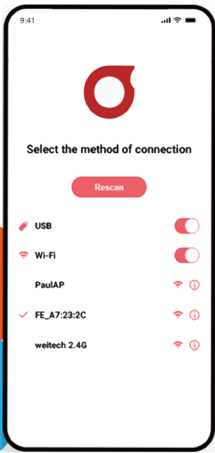
Core Zone
Cladding Zone
Adhesive Zone
Contact Zone

Clean end-face



Multi-mode Fiber

OFI400 Combined with the Software



Specification

Specification	
Magnification	400 X
Camera	1 / 4" CCD
Resolution (um)	< 1
Field of Vision (mm)	X:0.3487 ; Y:0.2632
Focus Mode	Manual focus
Alignment (%)	>98
Connection Mode	Wi-Fi 802.11 or USB 2.0

Dimensions and Weight

Size (H x W x D) (mm)	190 x 50 x 30
Weight (g)	175

Power Supply

110V ± 10% , 60 Hz ± 5%	
Battery Life (hours)	2

Environment

Working Temperature (°C)	-10 to +50
Storage Temperature (°C)	-20 to +60
Relative Humidity (%)	< 90, Non-condensing

Standard Accessories

Main unit, Carrying bag, Shoulder strap, Software support, One-year warranty

Ordering Information

OFI 01-00400 + A1-05 X 00

Operating System

01 : Android

02 : IOS

Note : 1. Incl. tips 2.5-PC-M, SC-PC-F, FC-PC-F, LC-PC-M/F

2.If you require both operating systems, please place the order with OFI 01-00400 + A1-05100 + A1-05200.

Option

Android USB Cable

A0-00302	Micro USB to Micro USB
A0-00303	Micro USB to USB-C

IOS USB Cable

A0-00304	Micro USB to Lightning
----------	------------------------

Tips

A0-00401	SC-PC- M
A0-00402	SC-PC- F
A0-00403	SC-APC- M
A0-00404	SC-APC- F
A0-00405	ST-PC- M
A0-00406	ST-PC- F
A0-00407	FC-PC- M
A0-00408	FC-PC- F
A0-00409	FC-APC- M
A0-00410	FC-APC- F
A0-00411	LC-PC- M
A0-00412	LC-PC- F
A0-00413	LC-APC- M
A0-00414	LC-APC- F
A0-00415	MU-PC- M
A0-00416	MU-PC- F
A0-00417	E2000-PC- M
A0-00418	E2000-PC- F
A0-00419	E2000-APC- M
A0-00420	E2000-APC- F
A0-00421	MT-RJ- M
A0-00422	MT-RJ- F
A0-00423	MPO-PC- F
A0-00424	MPO-APC- F
A0-00425	2.5-PC- M
A0-00426	LC-PC- M/F
A0-00427	SC-APC- M/F & FC-APC- M

USB Power Adapter

A0-00401	US Plug
A0-00402	EU Plug
A0-00403	UK Plug
A0-00404	AU plug

USB Cable

A0-00401	USB-A to Micro USB
----------	--------------------

Fiber-optic Patch Cord

A0-00601	Single Mode 9/125--SC/UPC to SC/UPC--2m
A0-00602	Single Mode 9/125--SC/UPC to LC/UPC--2m
A0-00603	Single Mode 9/125--SC/UPC to ST/UPC--2m
A0-00604	Single Mode 9/125--SC/APC to SC/UPC--2m
A0-00605	Single Mode 9/125--SC/APC to LC/UPC--2m
A0-00606	Single Mode 9/125--SC/APC to SC/APC--2m
A0-00607	Single Mode 9/125--FC/UPC to FC/UPC--2m

Option

Adapter Cleaning Sticks - 100 pcs/box

02-0A110	1.25mm without ESD (Electro-Static Discharge)
02-0A120	2.5mm without ESD (Electro-Static Discharge)
02-0B110	1.25mm with ESD (Electro-Static Discharge)
02-0B120	2.5mm with ESD (Electro-Static Discharge)

Fiber Cleaner - 400 wipes/pc

02-00411	Reusable Fiber Cleaner--1 slot
02-00411	Reusable Fiber Cleaner--2 slots
02-00421	Cartridge--1 slot
02-00422	Cartridge--2 slots

Example : OFI 01-00400 + A1-05100
Option: A0-00302 & A0-00402



Ascentac Inc.
Tax ID:50806831
Tel:07-398-1000
Fax:07-398-3965
Web:www.ascentac.com
Email:sales@ascentac.com
11F.-1, No. 80, Minzu 1st Rd., Sanmin Dist.,
Kaohsiung City 807, Taiwan (R.O.C.)



Distributor :