



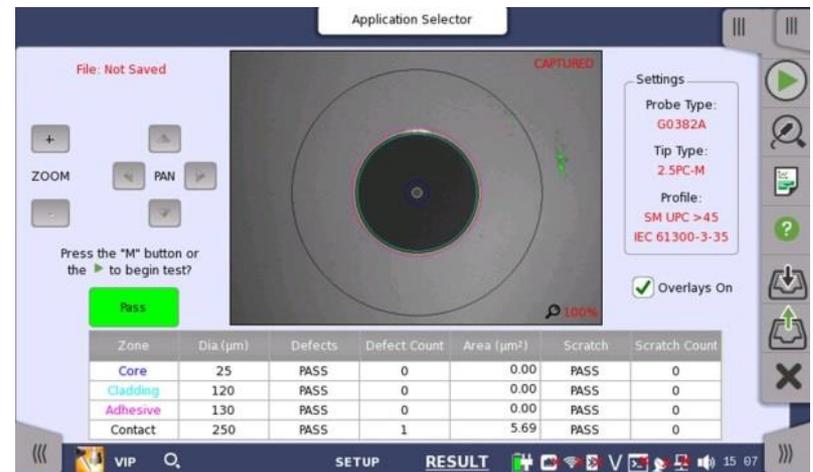
Autofocus Video Inspection Probe G0382A

What is Video Inspection Probe ?

Scratches and stains to optic fiber ferrule endfaces are often said to have a negative impact on transmission quality.

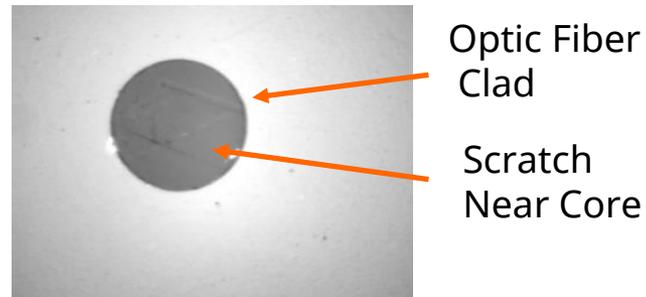
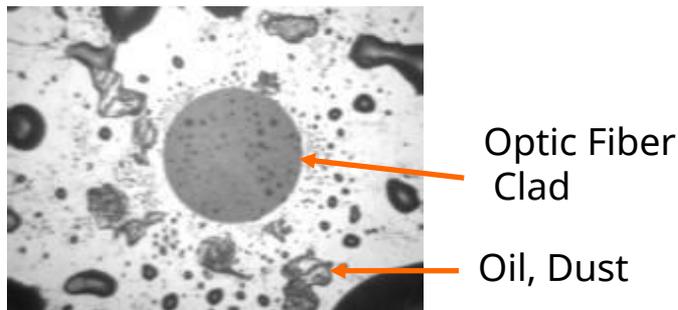
The Video Inspection Probe can be connected to several Anritsu products as well as Windows® PCs, to show the state of a ferrule endface.

This function is effective for determining whether a ferrule endface is clean, and whether connector replacement is necessary due to connector scratches.

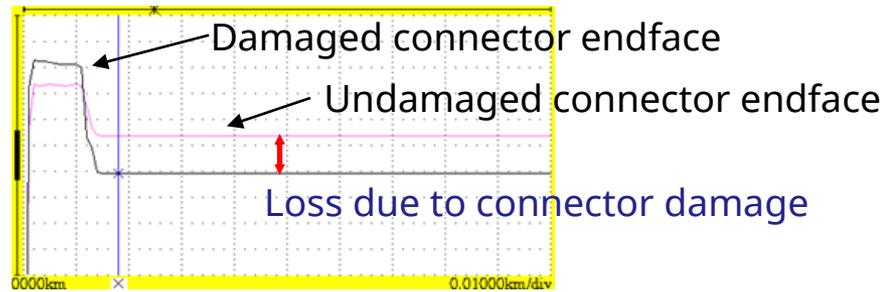
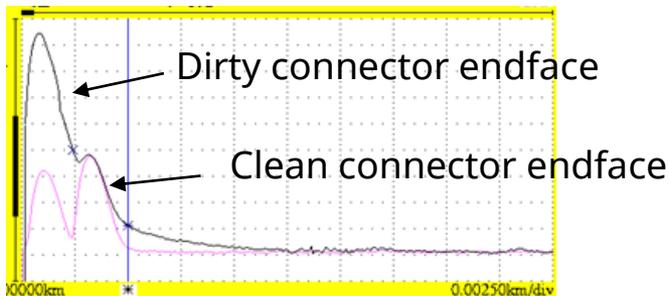


Connector Endface is Dirty/Damaged...

When a connector endface is dirty, it tends to produce a greater amount of reflection. A good connection can be maintained by cleaning connector endfaces. When a connector endface is damaged, in addition to having a greater amount of reflection, it also tends to exhibit greater splice loss. When the amount of reflection or loss caused by the damage is high, the connector port needs to be replaced.



<Case of OTDR Trace situation>



G0382A Autofocus Video Inspection Probe Overview

Key Features

- **Highest speed measurement with fully Automated one-button operation**
 - ✓ Automated focus
 - ✓ Automated image centering
 - ✓ Automated analysis
 - ✓ Automated image capture
- **Easy to read LED indicator displaying status**
- **Compact and light weight**
- **Wide range of adaptors available**



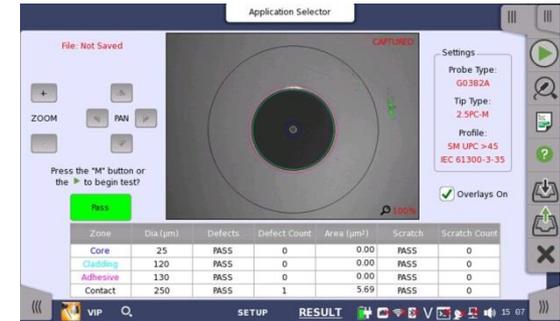
*Photo is connected to MT1000A

Supported Products

● MT1000A/MT1100A Series



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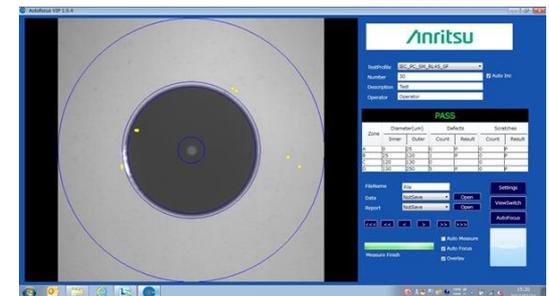


*Include Pass/Fail analysis function
(Software version 7.05 or later)*

● Windows PC with MX900031A Autofocus VIP Software



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*Include Pass/Fail analysis function
(New Software for G0382A)*

G0382A Tips



Tips are connected to the end of the VIP based on the shape of connector (adapter) to be connected.

This unit comes standard with 7 types of tips.



1.25mm
PC Male



2.5mm
PC Male



2.5mm
APC Male



1.25mm
PC Female(LC)



2.5mm
PC Female(FC)

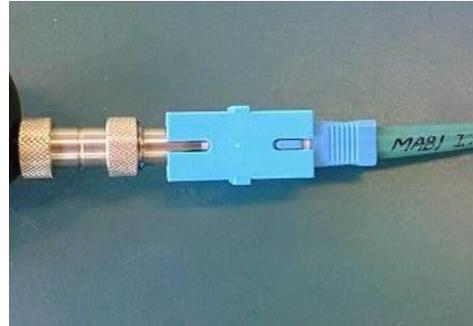


2.5mm
PC Female(SC)



2.5mm
APC Female(SC)

Examples of Tip Connection



●Tips for bulk head type

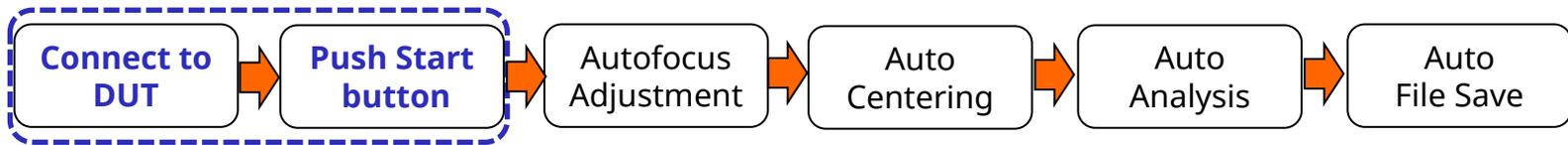
As this figure shows, the ferrule endface of the connected fiber can be checked via this bulk type adapter.



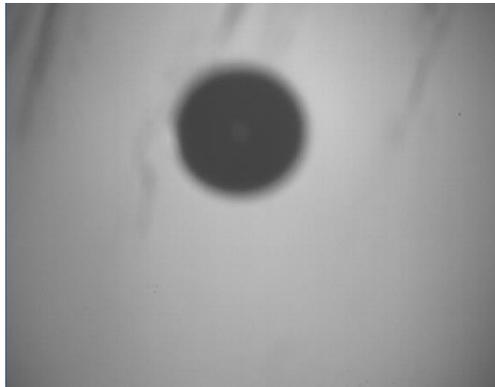
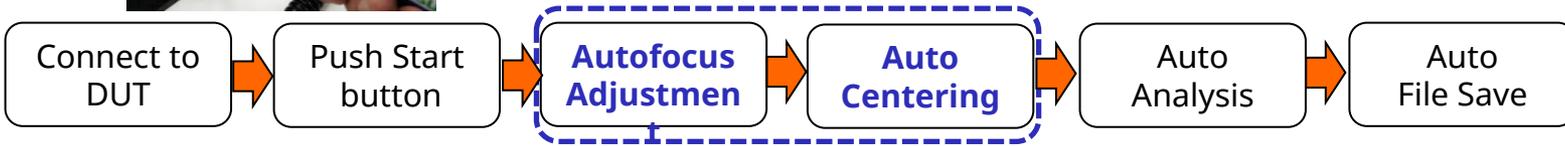
●Tips for universal patch cord type

As this figure shows, the universal type tip can be used to directly plug into the ferrule for test.

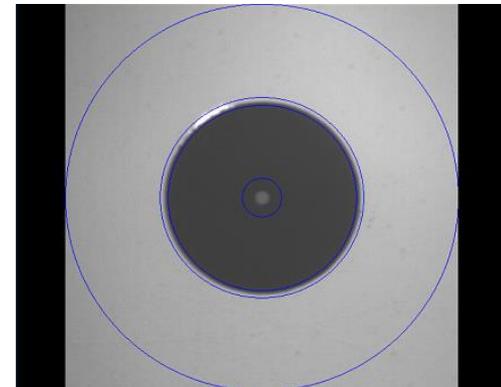
Fully automated one-button operation (1/3)



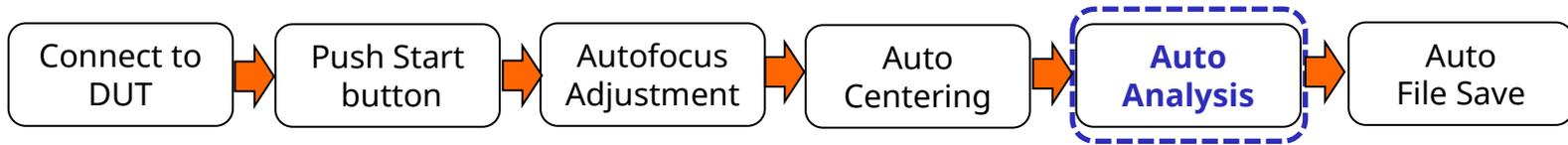
One-button operation



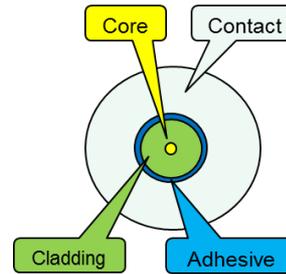
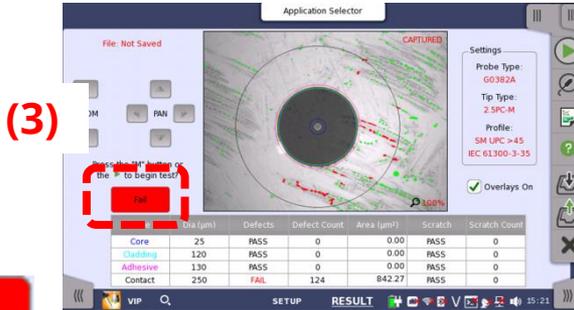
**Autofocus
and
Auto Centering**



Fully automated one-button operation (2/3)



*Screen Image is MT1000A/MT1100A. MX900031A Autofocus VIP Software (For PC) software screen image is different.



From the Table View, you can identify "defects" or "scratches" on the end of the fiber.

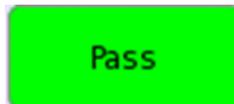
- (1) Defects in each area.
- (2) Scratches in each area.
- (3) Overall determination for each area merging (1) and (2)



(1)

Zone	Dia.(μm)	Defects	Defect Count	Area (μm^2)	Scratch	Scratch Count
Core	25	PASS	0	0.00	PASS	0
Cladding	120	PASS	0	0.00	PASS	0
Adhesive	130	PASS	0	0.00	PASS	0
Contact	250	FAIL	124	842.27	PASS	0

(2)



The automatic pass/fail determination is made in accordance with the IEC61300-3-35 standard.



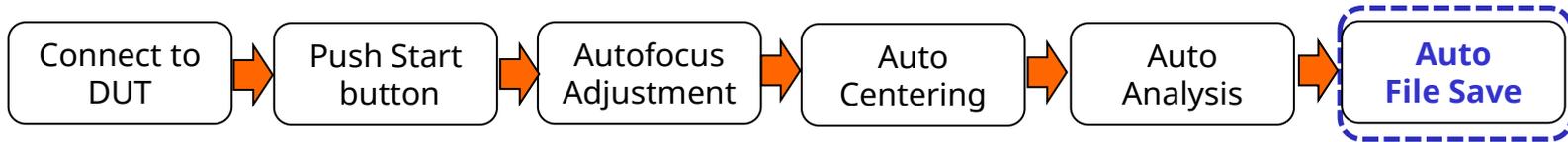
Green: Pass
Red: Fail
Blue: Active

Moreover, supported on-board Pass/Fail LED indicator

*H0392A MPO tip does not have Autofocus and Pass/Fail functions.

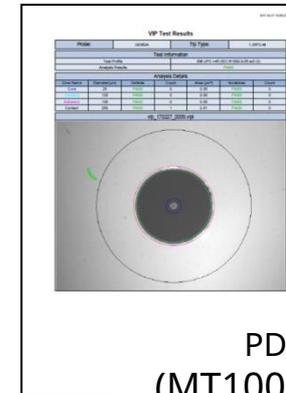
Zone	Dia.(μm)	Defects	Defect Count	Area (μm^2)	Scratch	Scratch Count
Core	25	PASS	0	0.00	PASS	0
Cladding	120	PASS	0	0.00	PASS	0
Adhesive	130	PASS	0	0.00	PASS	0
Contact	250	PASS	0	0.00	PASS	0

Fully automated one-button operation (3/3)

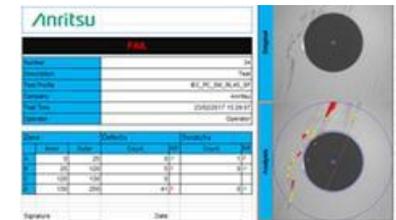


Saving the Measurement Results

Support File format		MT1000A/MT1100A		MX900031A on Windows PC	
		File Support	Auto Save	File Support	Auto Save
Save to File	Data file (.vipi)	✓	✓	NA	N/A
	Image file (png.)	✓	✓	NA	N/A
	Report file	✓ (PDF)	NA	✓ (Excel)	✓
Load from File	Data file (.vipi)	✓		NA	
	Image file (png.)	✓		NA	
	Report file	✓ (PDF) On PDF Viewer		NA	



PDF Report
(MT1000A/MT1100A)



Excel Report
(MX900031A)

Ordering Information (1/2)

Model No.			
G0382A	Autofocus Video Inspection Probe		
- Standard accessories*1 -	Soft Bag Seven Connector Tips - 1.25mm PC Male, - 2.5mm PC Male, - 2.5mm APC Male, - 1.25mm PC Female(LC), - 2.5mm PC Female(FC), - 2.5mm PC Female(SC), - 2.5mm APC Female(SC) Quick Reference Guide		
Application Parts			
Model No.		Model No.	
H0382A	2.5PC-M (2.5mm PC Male)	H0395A	FC-APC-F (FC APC Female)
H0383A	1.25PC-M (1.25mm PC Male)	H0385A	LC-PC-F (LC PC Female)
H0387A	2.5APC-M (2.5mm APC Male)	H0393A	LC-PC-F-L (LC PC Long Female)
H0388A	1.25APC-M (1.25mm APC Male)	H0394A	LC-APC-F-L (LC APC Long Female)
H0384A	SC-PC-F (SC PC Female)	H0396A	ST-PC-F (ST PC Female)
H0398A	SC-APC-F (SC APC Female)	H0397A	MU-PC-F (MU PC Female)
H0386A	FC-PC-F (SC PC Female)	H0390A	E2000-PC-F (E2000 PC Female)
		H0392A*2	MPO-PC/APC-F (MPO PC/APC Female)

*1: Operation manual and MX900031A Autofocus VIP Software (For PC) can be downloaded from Anritsu public Web site.

*2: H0392A MPO tip does not have Autofocus and Pass/Fail functions.

G0382A Supported...

- MT1000A Network Master Pro, MT1100A Network Master Flex.
- Windows 7, 8 and 10 supported with MX900031A Autofocus VIP Software.

Ordering Information (2/2)

G0382A Video Inspection Probe and Standard Accessories

- (1) Standard Soft case
- (2) Video Inspection Probe
- (3) Tip for measurement
- (4) Quick Reference Guide
- (5) Standard Tips



Web Download Items

- (6) Operation manual
 - (7) MX900031A Autofocus VIP Software (For PC)
- ※ The files will be able to download from Anritsu public Web site.

Anritsu VIP Series

Mainframe	G0382A (Fixed x400 USB Autofocus VIP type)		G0306B (Fixed x400 USB Standard VIP type)	
	Firmware version:	Pass/Fail	Firmware version:	Pass/Fail
MT1x00 Network Master Series				
MT1000A Network Master Pro.	Ver.7.05 or later	✓	Ver.5.00 or later	✓
MT1100A Network Master Flex	Ver.7.05 or later	✓	Ver.5.00 or later	✓
MT9090A Network Master				
MU909014x/15x (μOTDR)	NA		Ver.2.27 or later	✓
ACCESS Master Series				
MT9083x2 Series ACCESS Master	NA		Ver.2.02 or later	✓
Others				
MX900031A with Autofocus VIP Software (For PC) *1	Ver.1.00 or later	✓	NA	
MX900030A with Connector Master (For PC) *2	NA		Ver.1.02 or later	✓

*1: PC analysis software for G0382A (Support Windows XP, Windows 7, Windows8 and Windows10).
The MX900031A available from the Anritsu public web site.

*2: PC analysis software for G0306B (Support Windows XP, Windows 7 (32bit, 64bit), and Windows8 (32bit, 64bit)).

The MX900030A available from the Anritsu public web site.

