



Test & Inspection



FOCIS Flex Lite

Fiber Optic Connector Inspection System

Quick Reference Guide

Controls, Display, Interfaces

Controls

1. Power button - 
2. Image Capture button - 
3. F1 soft button (typically Back function)
4. F2 soft button (typically Select function)
5. Navigation and Edit functional buttons

Display (2-inch Color LCD [320 x 240])

6. Screen title
7. Battery status icon
8. Image and information display area
9. F1 and F2 soft button labels area

Interfaces

10. Optical inspection port
11. Adapter tip
12. Dust cover
13. Micro-USB port for charging
14. Charging indicator



Properly Installing and Removing Adapter Tips

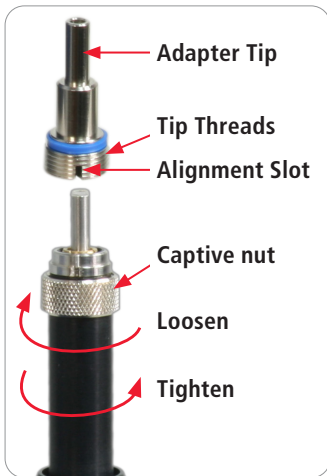
FOCIS Flex Lite is available with the following adapter tips

Connector	UPC Connectors		APC Connectors	
	Ferrule	Bulkhead	Ferrule	Bulkhead
SC	FFLX-01-U25	FFLX-01-SC	FFLX-01-A25	FFLX-4S-ASC
FC	FFLX-01-U25	FFLX-01-FC	FFLX-01-A25	FFLX-4S-AFC
LC	FFLX-01-U125	FFLX-01-LC	FFLX-01-A125	FFLX-4S-ALC
ST	FFLX-01-U25	FFLX-01-ST	Not applicable	Not applicable

Note: Contact AFL for additional connector adapter tips.

Installing Adapter Tips

1. While holding the adapter tip in place, raise the captive nut until it engages with the adapter tip threads.
2. Turn the captive nut counter-clockwise (viewed from the front/top).
3. Next, hand-tighten the captive nut, do not over-tighten!.



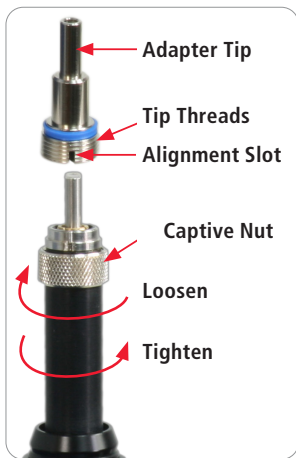
Properly Installing and Removing Adapter Tips

Removing Adapter Tips

Probe tips are held in place with a captive nut.

1. Turn the captive nut clockwise (viewed from the front/top).
2. Continue until the captive nut is free of adapter tip.
3. Remove the adapter tip by pulling it gently straight off the probe base.

Note: For proper viewing, APC connectors must be aligned with the alignment slot in the threaded area of the correct APC adapter tip.




Powering On/Off

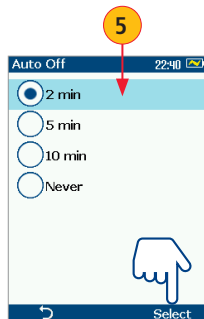
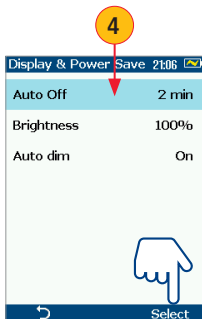
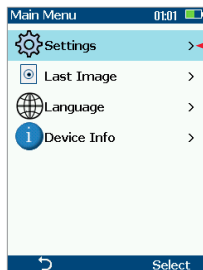
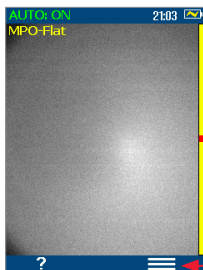
Power On: Press and release the Power button.

Power Off: Press and hold the Power button until display turns off.








Configure FOCIS Flex Lite to Auto Off

1. Press the Menu  soft button to displays the Main Menu.
2. In the Main Menu, select Settings
3. Navigate and select the Display & Power Save option.
4. Highlight the Auto Off option and press Select to display a sub-menu.
5. Select the desired power save option: 2 min, 5 min, 10 min, Never.



Battery Charging and Operation

1. Plug the included AC-to-USB power adapter/charger into AC outlet.
2. Using USB-A to USB-C cable connect AC-to-USB power adapter to the FOCIS Flex Lite USB-C port.
3. Note how the AC/Charger indicator illuminates to indicate charging status as follows:
 - **OFF** - AC not connected
 - **RED** - Charging battery
 - **GREEN** - Fully charged
 - **RED/GREEN flashing** - Charging error. Verify that correct charger is used. Allow to cool before charging.
4. FOCIS Flex Lite charges while operating.
5. Battery icon indicates battery state as follows:
 -  - AC connected; charging, not fully charged
 -  - AC connected; charging, fully charged
 -  - Battery operation, fully charged
 -  - Battery operation, partially charged
 -  - <15 min Battery operating time remaining



Live Image Mode

FOCIS Flex Lite powers on in the Live Image mode.

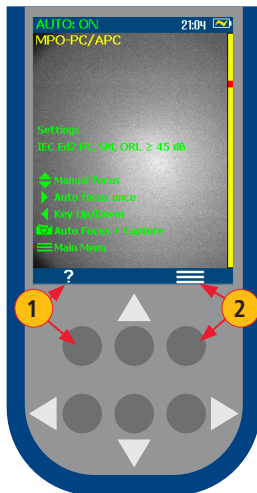
1. Press and hold **?** - Help soft button to display help tips about FOCIS Flex Lite buttons usage.

Note: pressing the Left ◀ arrow button toggles between connector types:

- **Single:** Single fiber connector, UPC or APC
- **MPO-PC/APC:** MPO/MTP® multi-fiber connector; PC or APC finish
- **MPO-Flat:** MPO/MTP multi-fiber connector; Flat finish [rare]
- **LCNGU:** this setting is used with the FFLX-01-ULCHD (LC/PC/UPC) adapter tip for high density distribution trays
- **LC/APC:** Single fiber connector APC LC connectors

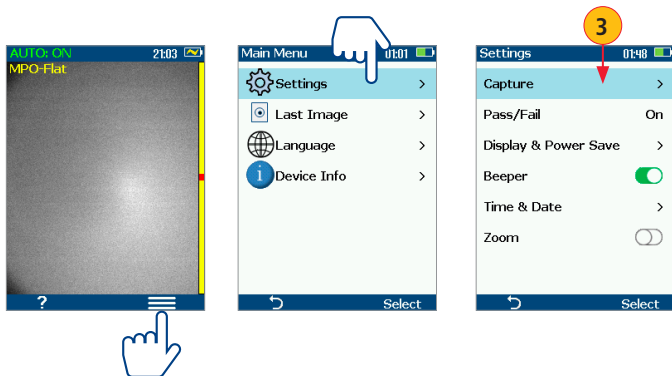
2. Press Menu ≡ soft button to displays the Main Menu that allows the user to


- Enable Capture Auto-Focus
- Enable and configure Pass/Fail Auto Analysis
- Enable and set Auto-off, Brightness, and Auto-dim options
- Enable Beeper
- Perform Date and Time settings
- Enable Zoom
- Select Language
- View the device information.



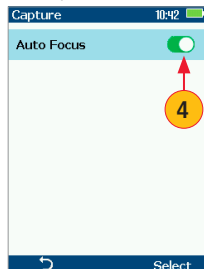
Live Image Mode

3. Press Menu > Setting > Capture to display the Capture settings menu.




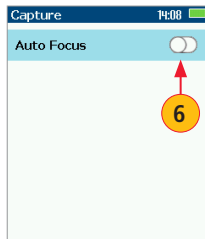
4. When the Auto Focus option is enabled in the Capture setting screen and Capture button  is pressed, the FOCIS Flex Lite performs the following:

- Auto focus is initiated
- Image is captured when auto focus completes
- Image is analyzed if Pass/Fail set to On
- FOCIS Flex Lite transitions to Captured Image mode




Live Image Mode


5. When Auto Focus is enabled or disabled:
 - Press Right ► arrow button to auto focus once
 - Press Up/Down ▼▲ arrow buttons to manually adjust focus
6. When the Auto Focus option is disabled in the Capture setting screen and Capture button  is pressed, the FOCIS Flex Lite performs the following:
 - Image is captured (without adjusting focus)
 - Image is analyzed if Pass/Fail set to On
 - FOCIS Flex Lite transitions to the Captured Image mode








Capture Button Operation

1. In the Live Image mode, press the Capture button  to perform the following:
 - Auto Focus image (if the Auto Focus option is enabled)
 - Capture the displayed image and enter the Captured Image mode
 - Analyze image (if the Pass/Fail option is enabled)
2. In the Captured Image mode, press the Capture button to return to the Live Image mode.
3. In the Main Menu or Settings modes, press the Capture button to return to the most recent Live or Captured Image mode.

User Settings and Controls

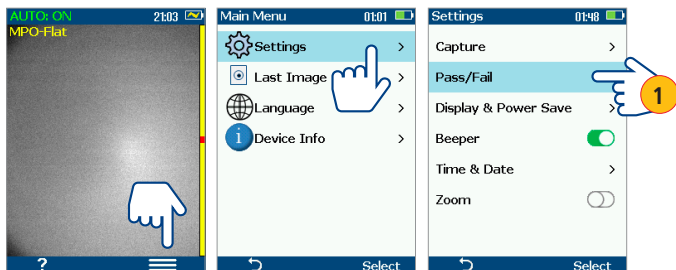
The Main Menu is accessed from the Live Image mode by pressing the Menu  soft button.



- **While in the Main Menu**, press Up/Down  arrow buttons to navigate and select (highlight) the desired menu option.
 - **Settings:** Configure Auto Focus, Pass/Fail, etc.
 - **Last Image:** Recall most recently viewed image.
 - **Language:** Select the desired Language option.
 - **Device Info:** View serial number, software rev, etc.
- Press Select soft button or Right  arrow button to display the selected option sub-screen.
- **While in a sub-screen**, press Up/Down  arrow buttons to navigate and highlight the desired option.
 - Press Select soft button or Right  arrow button to edit the highlighted parameter
 - When the selected parameter displays On/Off icon , press Select soft button to enable/disable
- Press Back soft button to return to the previous menu screen.

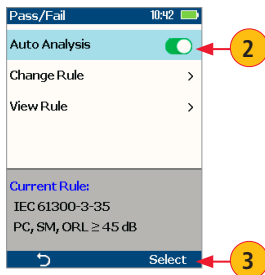
Pass/Fail Settings

Enable/disable Auto Analysis

1. Press Menu > Setting > Pass/Fail to display the Pass/Fail settings menu.



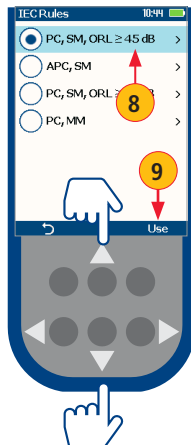
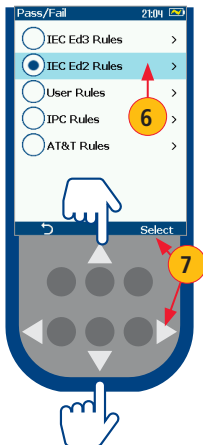
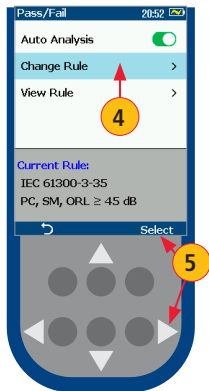
2. Highlight the Auto Analysis option.
3. Use Select button to enable/disable the / Pass/Fail analysis toggle control.



Pass/Fail Settings

Change Rule:

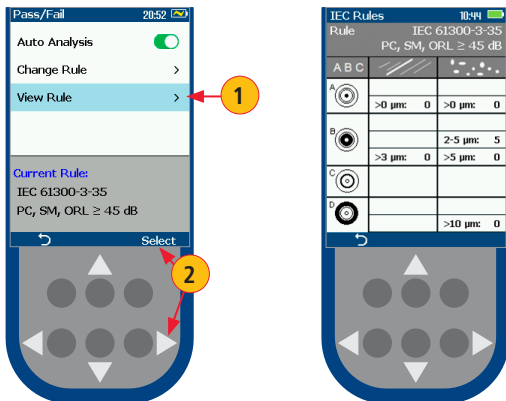
- From the Pass/Fail screen, highlight the Change Rule option.
- Press Select or Right ► arrow button to display a list of the available Rules.
- Use Up/Down ◀▶ arrow buttons to highlight the desired Rule group .
- Press Select or Right ► arrow button to display a sub-list of Rules available within the selected group.
- Use Up/Down ◀▶ arrow buttons to highlight the desired Rule.
- Press Use to apply the selected Rule in Pass/Fail analysis.



Pass/Fail Settings





View Rule

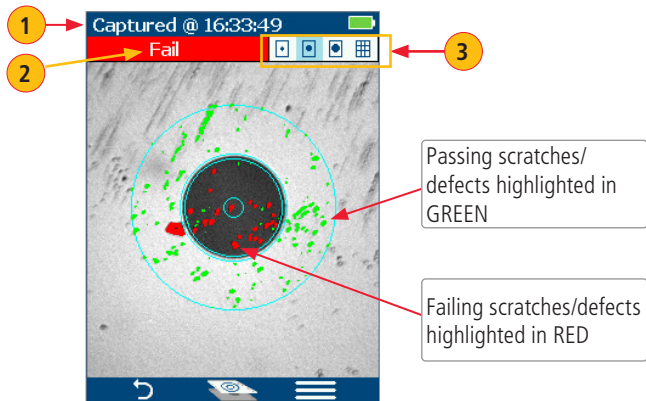
1. From the Pass/Fail screen, highlight the View Rule option.
2. Press Select or Right ► arrow button to view details for the current rule.
3. User Rules may be edited while viewing.



Captured Image Mode Features

Description

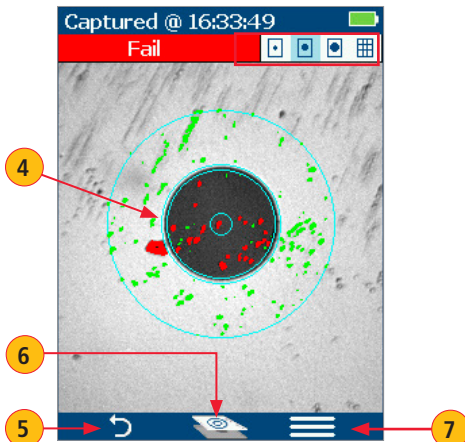
1. **Screen Title:** displays 'Captured @ hh:mm:ss'
2. **Pass/Fail Indication:** shown only if the Pass/Fail option is enabled in the Settings menu.
3. **Display Tabs:** select the desired view by using the Left/Right ◀▶ arrow buttons.
 -  - Zoomed-out Image
 -  - Partially zoomed-in image
 -  - Fully zoomed-Unimak
 -  - Pass/Fail results table



Zoomed in end-face image with Overlay

Captured Image Mode Features

4. **End-face Image:** shown the end-face image with Pass/Fail overlay.
5. **Back soft button:** press to return to previous screen.
6. **Image Layers soft button:** use Up/Down \blacktriangle buttons to view image layers as follows,
 - End-face image with overlay layer shown (default view)
 - End-face image only
 - Overlay only
7. **Menu \equiv soft button:** press to display the Save/Send Menu.



Zoomed in end-face image with Overlay

Captured Image - Pass/Fail Results Table

Description

1. **Screen Title:** displays 'Captured @ hh:mm:ss'.
2. **Pass/Fail Indication:** shown only if the Pass/Fail option is enabled in Settings.
3. **Display Tabs** with the Pass/Fail display tab selected.
4. **Analysis Rule** applied to determine Pass/Fail.
5. **Analysis Zones:** A - core, B - cladding, C - adhesive, D - contact area.

Captured @ 16:33:49		
Fail		
IEG: PC, SM, ORL ≥ 45 dB		
A B C		
A		
	>0 μm : 0	>0 μm : 1
B		
		2-5 μm : 16
	>3 μm : 0	>5 μm : 4
C		
D		
		>10 μm : 1

Pass/Fail Results Table

Captured Image - Pass/Fail Results Table

6. **Scratch analysis results** for each zone shows the following:
 - A number of the detected scratches that exceed limits for each region
 - Highlights failed rules in RED
7. **Defect analysis results** for each zone shows the following:
 - A number of the detected defects that exceed limits for each region
 - Highlights failed rules in RED
8. **Back soft button:** press to return to the previous screen.
9. **Menu soft button:** press to display the Save/Send Menu.

Captured @ 16:33:49

Fail

IEC: PC, SM, ORL \geq 45 dB

ABC		
A	>0 μm : 0	>0 μm : 1
B	>3 μm : 0	2-5 μm : 16
		>5 μm : 4
C		
D		>10 μm : 1

8 (Back button) 6 (Table) 7 (Red cell) 9 (Menu button)

Pass/Fail Results Table

Contacts

Technical Support	AFLtesttechsupport@AFLglobal.com +1 (800) 235-3423 (Option 3)
Sales Support	https://www.aflglobal.com/en/Contact/Product-Sales-Team Sales@AFLglobal.com +1 (800) 235-3423 (Option 4)
Purchase Orders, Quote, RMA	SPBCustomerPO@AFLglobal.com
Service Request	AFLEquipmentService@AFLglobal.com Product Service Request Form +1-800-235-3423 (Option 2)
AFL Test & Inspection web	www.AFLglobal.com/Test
Product Registration	www.AFLglobal.com/Register
AFL's Customer Portal - Direct	content.AFLglobal.com/Direct.html