AFL

Test & Inspection

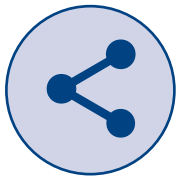
FOCIS Flex3

Fiber Optic Connector Inspection System

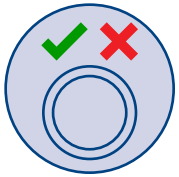
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Safety & Compliance

Safety Information

IMPORTANT! Proper care in handling should be taken when using any precision optical test equipment. Scratched or contaminated optical connectors can impact the performance of the instrument.

NOTE! FOCIS Flex3 contains no user serviceable parts. This instrument must be returned to AFL or authorized agents for repair.

IMPORTANT! To ensure accurate measurements and operation, it is important to keep connector end-faces on the fiber under test clean.

CAUTION! Never view a live fiber. Never look directly into the optical outputs of fiber optic network equipment, test equipment, patch cords and jumpers. Laser radiation is harmful to eyes.

WARNING! Use only the specified AC adapter. Use of another type of AC adapter can damage the instrument and create the danger of fire and electrical shock.

WARNING! To avoid the danger of fire and electrical shock:

- Never use a voltage that is different from that for which the AC adapter is rated.
- Do not plug the unit into a power outlet that is shared by other devices.
- Never modify the power cord or excessively bend, twist, or pull it.
- Do not allow the power cord to become damaged. Do not place heavy objects on the power cord or expose it to heat.
- Never touch the AC adapter while your hands are wet.
- Should the power cord become seriously damaged (internal wiring exposed or shorted), contact the manufacturer to request servicing.

NOTE! Refer to your company's safety procedures when working with optical systems.

NOTE! Follow your company's approved cleaning procedures.

Standards Compliance Information

AFL Test & Inspection FOCIS Flex3 contains a Wi-Fi transceiver.

FCC ID: X3ZBTMOD8

IC: 8828A-MOD8

NOTE: This equipment has been tested and found to comply with the limits of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/Technician for help.

FCC Part 15 Clause 15.21

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED RF Exposure Guidance Statement:

- In order to comply with FCC/ISED RF Exposure requirements, this device must be installed to provide at least 20 cm separation from the human body at all times.

General Information

AFL's FOCIS Flex3 Fiber Optic Connector Inspection System, paired with FlexApp comprise a complete fiber optic connector inspection and workflow and data management solution.

Product Overview

AFL's FOCIS Flex3 combines highly accurate fiber end-face inspection, immediate Pass/Fail analysis, and instant results display with the simplicity of a hand-held device, the versatility of interchangeable adapter tips, and the convenience of seamless results sharing and reporting.

A single button press enables the FOCIS Flex3 to automatically focus, capture, and center the end-face image, apply Pass/Fail criteria, display results, save data internally, and/or wirelessly transfer results to a paired FlexScan OTDR or a smart device running AFL's free FlexApp. Featuring a large integrated touchscreen, internal storage for up to 10,000 inspection results, and a rechargeable battery, the FOCIS Flex3 operates as a fully standalone inspection system without requiring an external OTDR or display device. Inspection result file naming is compatible with AFL's FlexScan OTDRs, enabling streamlined combined reporting with FlexReports PC software.

FlexReporter Software Suite works with AFL Test and Inspection instruments to provide a simple-to-use, high performance cloud enabled reporting platform. FlexReporter combines FlexApp – a mobile App that wirelessly transfer test results to FlexReporter-Cloud from the field with a fast, comprehensive, 3-step reporting solution – FlexReports PC software.

FlexReports is a Windows®-compatible PC software that provides comprehensive test results analysis and reporting for AFL FlexScan OTDRs, FOCIS inspection systems, OLTS, and OPM products. It is available in both Basic and Advanced versions.

FlexReports Basic software version enables users to quickly view and analyze results. It allows users to generate simple single-fiber OTDR and OLTS reports and includes a 60-day Advanced software and OTDR Trace Batch Editor license trial.

FlexReports Advanced is a full featured reporting and post-processing solution for generation of professional acceptance reports using Industry Standards. It enables users to generate reports showing dual-wavelength traces and event tables, end-face image, event map and loss data for each fiber. Users can apply Pass/Fail thresholds to OTDR events and OLTS measurements, and create and apply application rules per Industry Standards. FlexReports OTDR Trace Batch Editor enables users to edit and analyze multiple trace files simultaneously.

FlexApp is a mobile Android and iOS App that supports AFL's FlexScan® OTDRs and FOCIS connector inspection products. FlexApp wirelessly transfers test results from any FlexScan OTDR or FOCIS inspection probe directly to FlexReporter-Cloud from the field for subsequent analysis, editing, and reports generation with FlexReports PC software.

Warranty Terms and Conditions

AFL Test and Inspection products are warranted against defective material and workmanship for a period of (1) one year from the date of delivery to the end user. Optional Extended Warranty starts at the end of the standard (1) one year warranty period. Any product that is found defective within the warranty period, will (at the discretion of AFL) be repaired or replaced. Warranty will be voided if the product has been repaired or altered by other than an authorized AFL repair facility or when it has been subjected to misuse, negligence, or accident.

In no case shall AFL liabilities exceed the original purchase price.

Repair Services

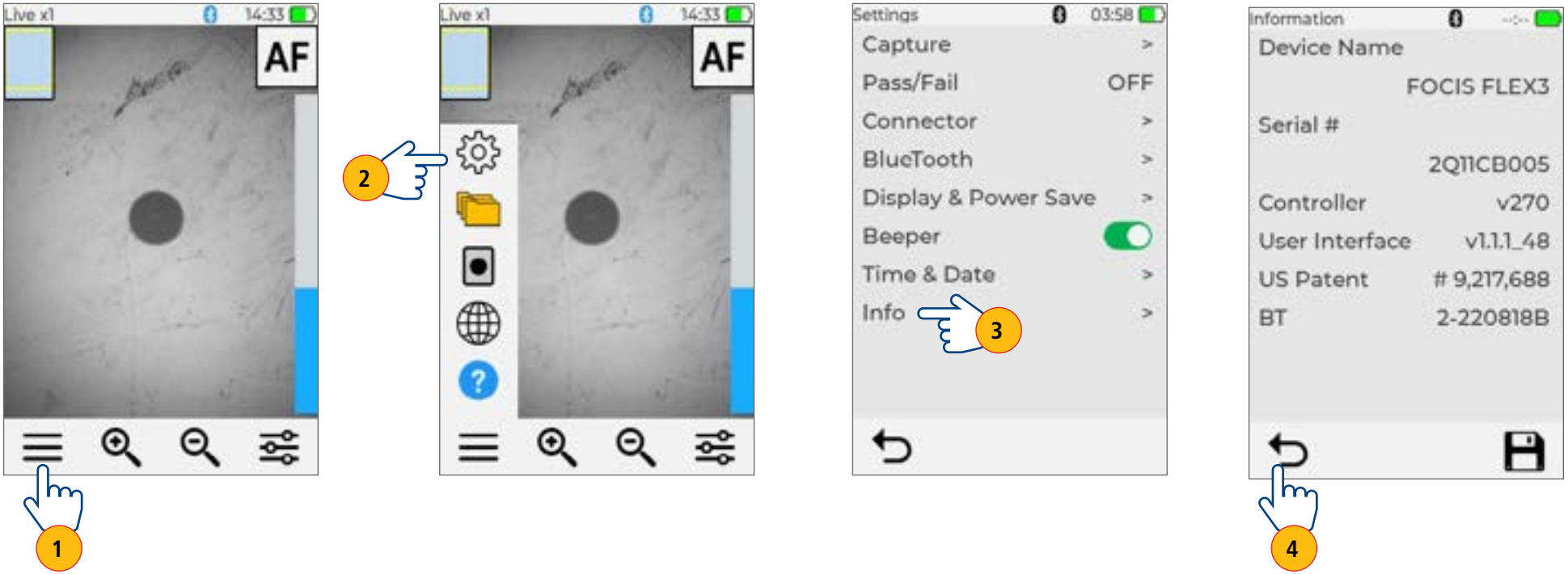
Please contact customer service for a return authorization number prior to sending your AFL test equipment in for repair or calibration.

Hardware Overview

How to View Device Information Menu

1. From the Live Image mode, touch Menu (3-bar icon) to display the Menu Panel.
2. Touch Settings.
3. When the Settings screen is displayed, touch Info to see the following information:
   - Device name
   - Serial number
   - Controller version number
   - User Interface version number
   - US Patent - #9,217.688
   - Bluetooth version number
4. Touch Back to return to previous screen, or you may press Capture button to return to the Live Image mode.

Note: It is helpful to have your FOCIS Flex3 Device Information available if you need to contact AFL Test & Inspection Customer Service or Technical Support.





Controls, Display, Interfaces

1. Power Button.
2. Image Capture Button.
3. Touchscreen Display.
4. Optical inspection port.
5. Adapter Tip.
   AFL offers a wide range of inspection adapter tips.
   See Inspection Adapter Tips catalog.
6. Protective Dust Cap.
7. USB-C Power / Data Port.
8. Power Charge Indicator.

Powering Up/Down

Power-Up

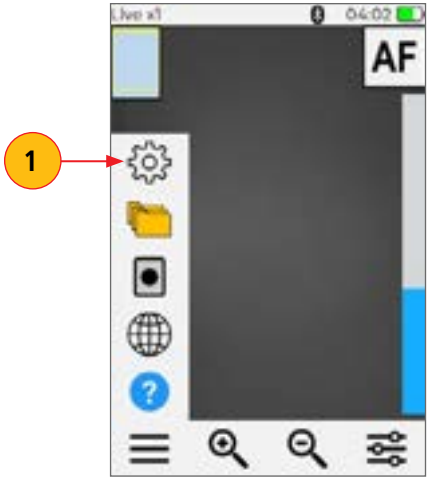
- Press and release the On/Off Button (left side when facing unit).
- Display powers up in Live Image mode.

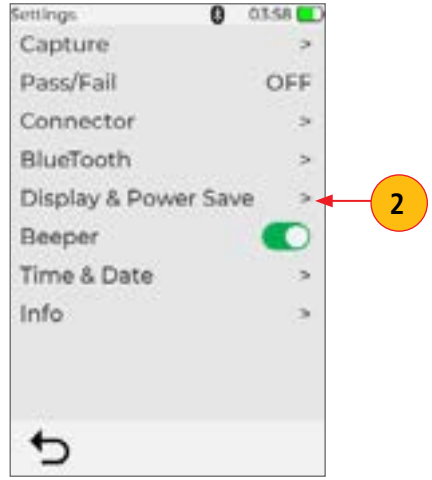
Power-Down

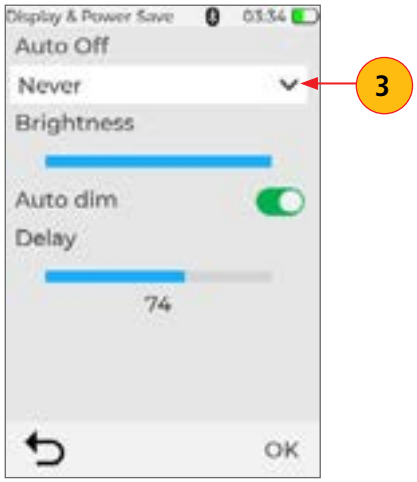
- Press and hold the Power button until display turns off.

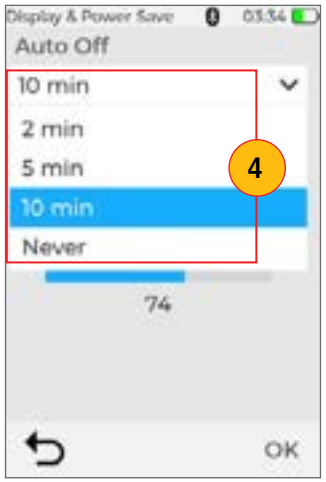
Configure FOCIS Flex3 to Auto-Off

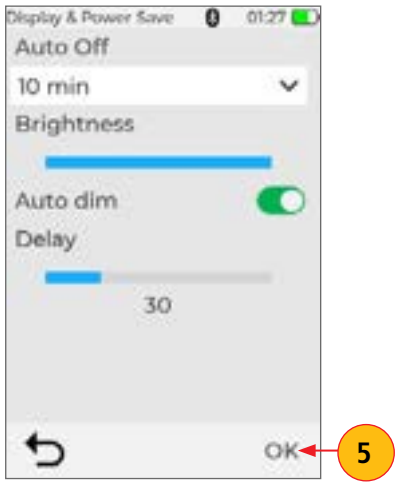
1. From the Main Menu, touch Settings.
2. Touch Display & Power Save menu option.
3. Display Auto Off pull-down menu.
4. Select the desired power save option: 2 min, 5 min, 10 min, Never.
5. Touch Save to confirm selection.
6. Touch Back to return to the previous screen.







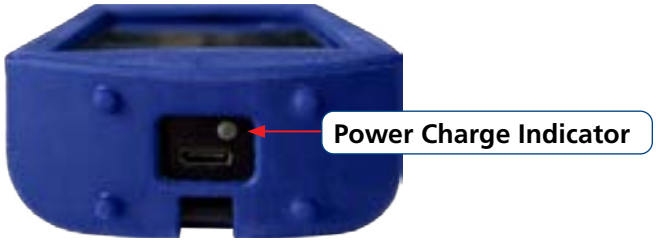






Battery Charging and Operation

- Plug the included AC Charger with USB cable into AC outlet
- Connect charger plug into USB-C port on FOCIS Flex3
- Power Charge Indicator shows charging status as follows:
  - **OFF** - AC not plugged in
  - **RED solid** - Battery is being charged
  - **GREEN solid** - Battery is fully charged
  - **RED/GREEN flashing** - Charging error:
    - Verify battery is properly plugged in.
    - Verify correct charger used.
- FOCIS Flex3 charges while operating





Battery Operation

Battery icon indicates battery charge state as follows:

- Charging, not fully charged
- Charging, fully charged
- Battery operation, fully charged
- Battery operation, partially charged
- Battery operation, <15 min operating time remaining
- Battery operation, <15 min operating time remaining, charging

Properly Installing and Removing Adapter Tips

Removing Adapter Tips

- Probe tips are held in place with a captive nut.
- Turn captive nut clockwise (viewed from front/top).
- Continue until captive nut is free of adapter tip.
- Remove adapter tip by pulling it gently straight off the probe base.

Installing Adapter Tip

- While holding adapter tip in place, raise captive nut until it engages with adapter tip threads.
- Turn captive nut counter-clockwise (viewed from front/top).
- Hand-tighten (do not over-tighten).



Capture Button Functionality

In the Live Image mode — Capture button initiates live image capture.

- When **Auto Focus is enabled** and Capture button is pressed:
  - Auto focus is initiated. See "To Enable Auto Focus", page 12.
  - Image is captured when auto focus completes.
  - Image is analyzed if Pass/Fail analysis enabled. See "To Configure Pass/Fail Criteria", page 14.
  - FOCIS Flex3 transitions to Captured Image mode. See "Captured Image Mode - Understanding Captured Results", page 21.
  - Save and send results to the Bluetooth-paired device if auto-save and auto-send enabled on '**1st Capture Key**'. See "To Configure Auto-Send", page 12 for details.
  - If auto-save or auto-send enabled on '2nd Capture Key', press the Capture button again to save and/or send. See "To Configure Auto-Send", page 12.
- When Auto **Focus is disabled** and Capture button is pressed:
  - Image is captured (without adjusting focus)
  - Image is analyzed if Pass/Fail analysis enabled. See "To Configure Pass/Fail Criteria", page 14.
  - FOCIS Flex3 transitions to Captured Image mode. See "Captured Image Mode - Understanding Captured Results", page 21.
  - Save and send results to the Bluetooth-paired device if auto-save and auto-send enabled on '**1st Capture Key**'. See "To Configure Auto-Send", page 12 for details.
  - If auto-save or auto-send enabled on '2nd Capture Key', press the Capture button again to save and/or send. See "To Configure Auto-Send", page 12.

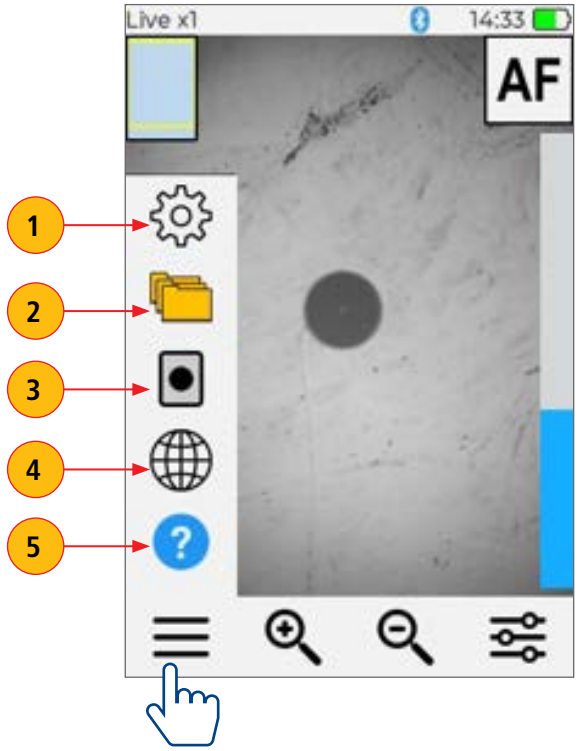
In all other modes — Capture button is used to return to the Live Image mode.

Settings

Main Menu

The Main Menu is accessed from Live Image mode by touching the Menu ≡ icon. Main Menu is used to select user preferences, perform general settings, manage saved test results, and perform other non-test functions.

- While in the Main Menu, touch one of the menu item as follows.
  1. **Settings:** Use to configure Capture settings, Auto Focus, Pass/Fail criteria, Connector criteria, Bluetooth, and General settings.
  2. **Results Manager**: Use to navigate and review saved test results.
  3. **Last Image:** Use to recall most recently viewed image.
  4. **Language:** Select the FOCIS Lightning User Interface Language.
  5. **Help:** View help tips regarding UI icons and functionality.
- If a menu item is followed by Right Arrow, touch to display a sub-screen of the selected menu item.
- Touch Back to return to the previous screen.



Settings Menu

Setting menu is accessed from the Live Image mode > Main Menu > Settings. Settings menu provides access to various sub-menues that allows the user to configure image Cupture, Pass/Fail analysis, Connector options, enable and pair Bluetooth, enable Pawer Save, set Time & Date, and view FOCIS Flex3 Info.

Capture Settings

1. Touch Menu, then Touch Settings
2. Touch Capture to display the Capture screen and available settings.

To Enable Auto Focus

3. Touch Auto Focus On/Off control to enable or disable ◉ / ○.

To Configure Auto-Send

4. Touch Auto-Send drop-down menu to display available options. Select one of the following: OFF - disable Auto-Send functionality, enable on 1st Capture, or enable on 2nd Capture.

To Configure Auto-Save

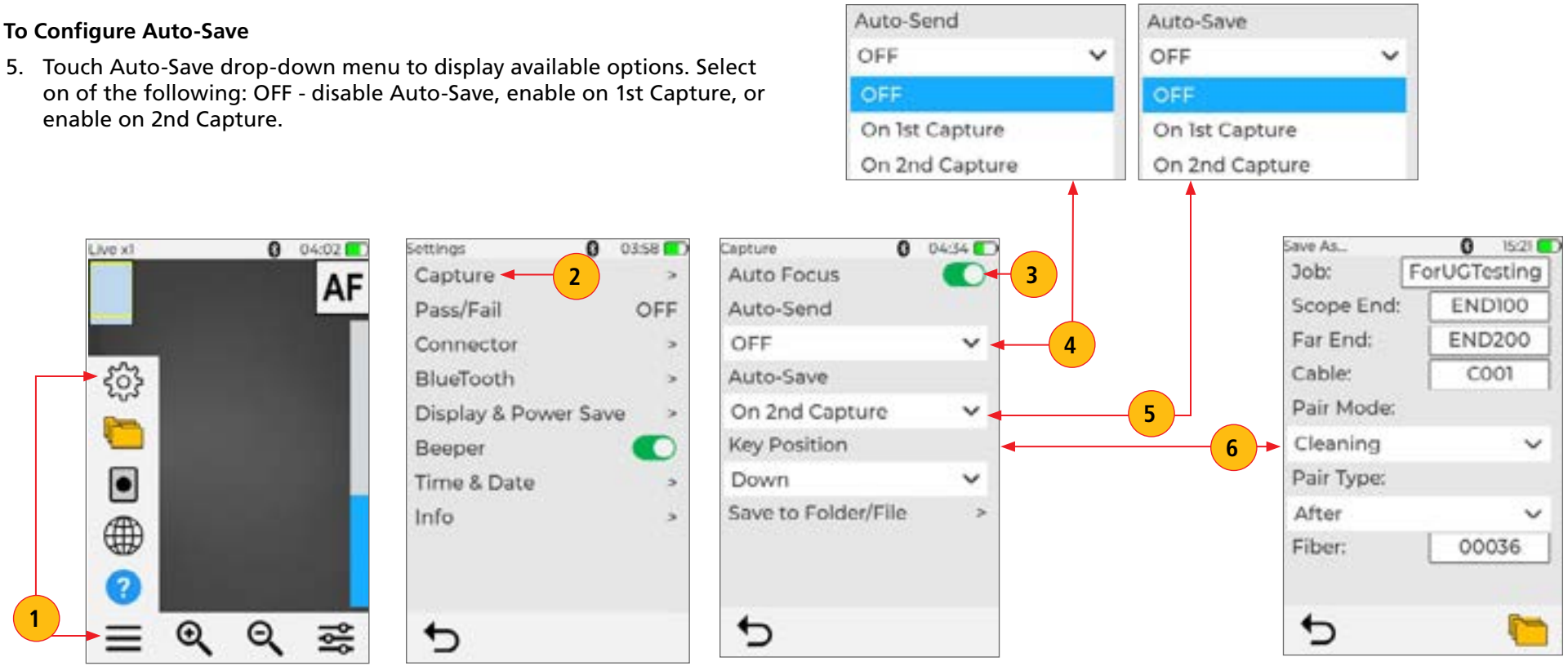
5. Touch Auto-Save drop-down menu to display available options. Select on of the following: OFF - disable Auto-Save, enable on 1st Capture, or enable on 2nd Capture.

To Configure 'Save to' Destination

6. Touch Save to Folder/File. Touch and edit the desired folder/file field.

When Auto-Send/Save is enabled, press Capture from Live Image mode to auto-focus, capture image, analyze pass/fail (if enabled), then send image and pass/fail results to a Bluetooth paired device and save image and pass/fail results to the configured Job/Cable folder.

Note: If Auto-Save or Auto-Send on 2nd Capture Key is enabled, you will be prompted to press the Capture button again to save or send. Press the Back button if you do not wish to save or send image.

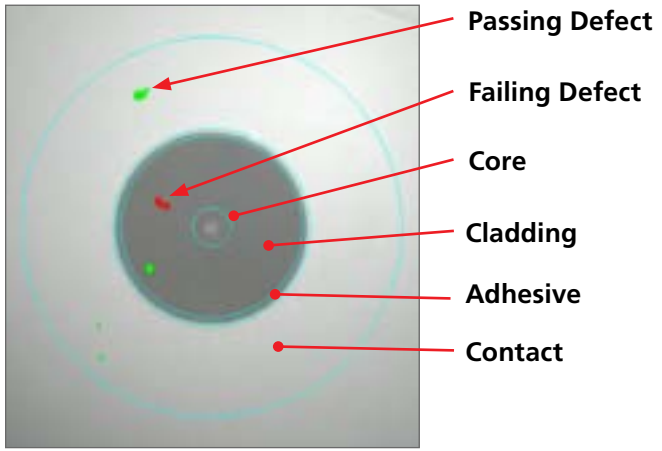


Pass/Fail Settings

Understanding Pass/Fail Criteria

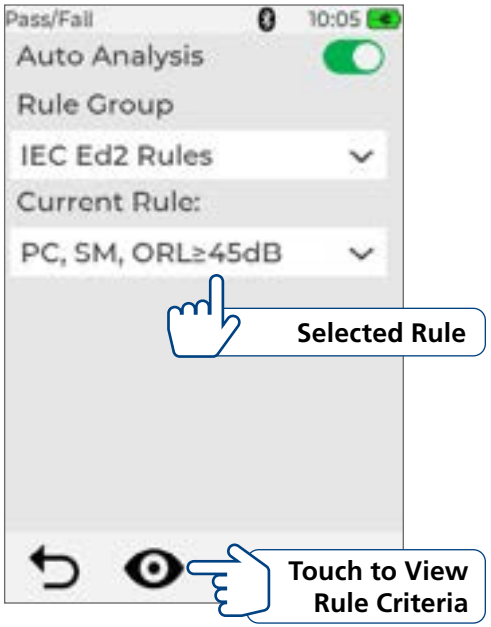
Pass/Fail Rules define connector inspection pass/fail criteria, which depends on:

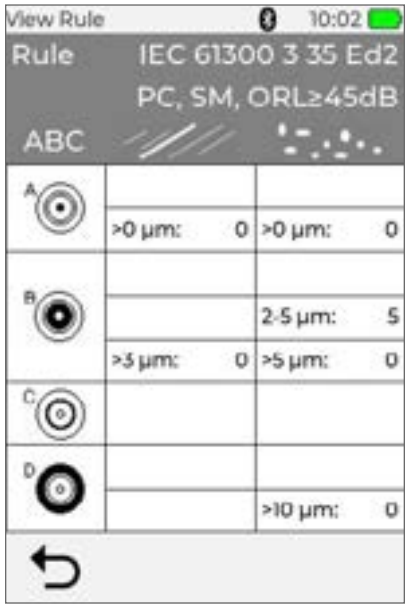
1. Fiber type (SMF or MMF).
2. Connector end-face regions:
   - **A region:** Core
   - **B region**: Cladding
   - **C region:** Adhesive (between cladding and ferrule)
   - **D region:** Physical contact area
3. Type of end face flaw:
   - Scratches
   - Defects (contamination, particles, chips)
4. Size of flaw.



Example IEC Rule

Shown below is the display when the IEC rule for single-mode PC connector with return loss ≥ 45 dB is selected. The table identifies the number of scratches or defects of a certain size, which may be allowed in each of the core, cladding, and contact regions.



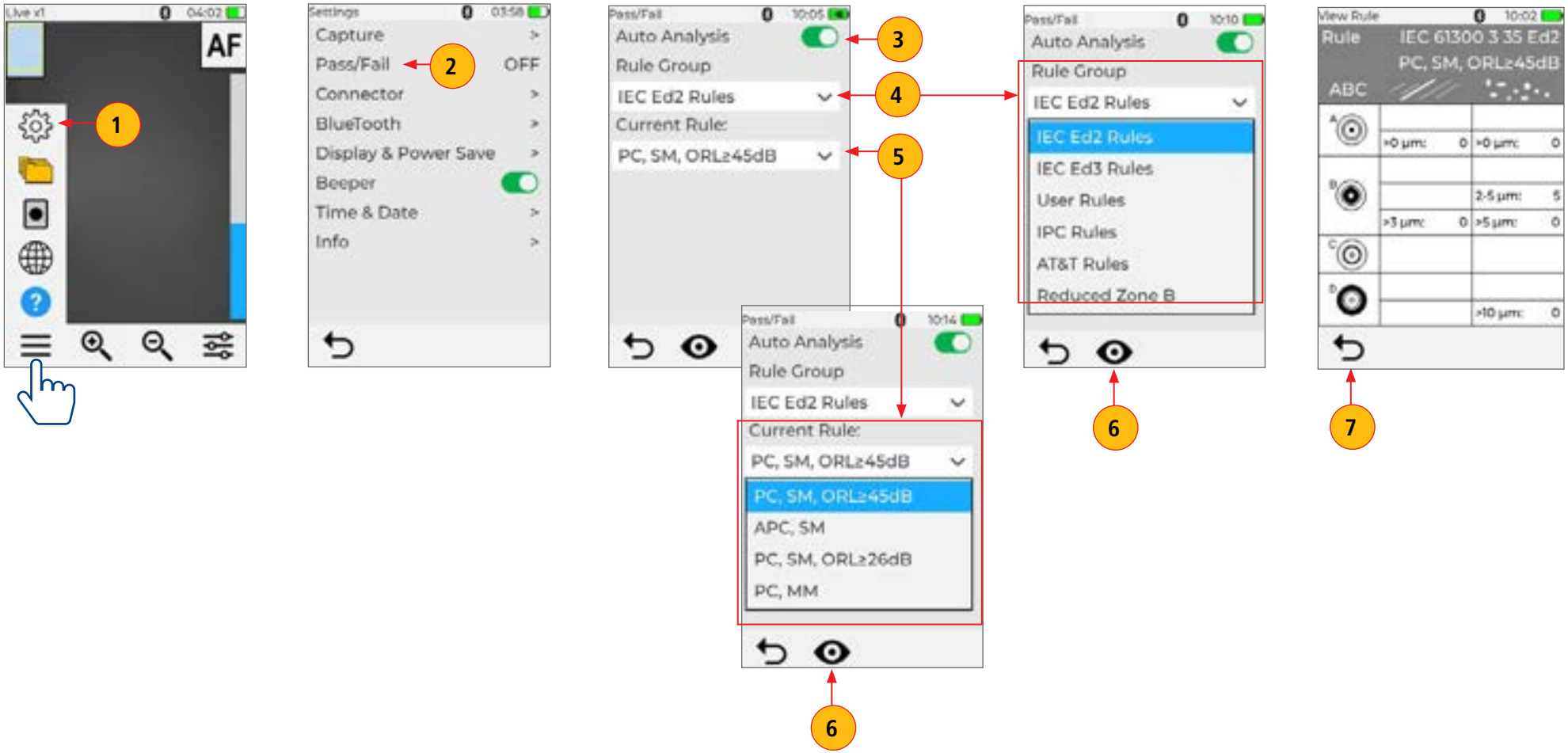


Region	Scratch	Defect
A: Core	>0 µm: 0 No scratches >0 µm allowed	>0 µm: 0 No defects >0 µm allowed
B: Cladding		2-5 µm: 5 Up to 5 defects 2-5 µm diameter allowed
	>3 µm: 0 No scratches >3 µm allowed	>5 µm: 0 No defects >3 µm allowed
C: Adhesive	Blank (No limitations)	Blank (No limitations)
D: Contact	Blank (No limitations)	0 ≥10 µm No defects ≥10 µm allowed

To Configure Pass/Fail Criteria

Pass/Fail menu is accessed from the Live Image mode > Main Menu > Settings.

1. Touch Menu, then Touch Settings.
2. Touch Pass/Fail to display the Pass/Fail analysis options.
3. Enable Auto Analysis (if disabled): Touch Auto Analysis On/Off control to enable.
4. Select Rule Group: Touch the Rule Group pull-down menu to display the available options and select the desired Group.
   Note: User Rules may be edited.
5. Select Current Rule: Touch the Current Rule pull-down menu to display the available Rules and select the desired Rule.
6. View Rule criteria if needed: Touch the Eye icon to view the currently selected Rule.
7. Touch Back to return to the previous screen. Or, you may press Capture button to return to live mode.



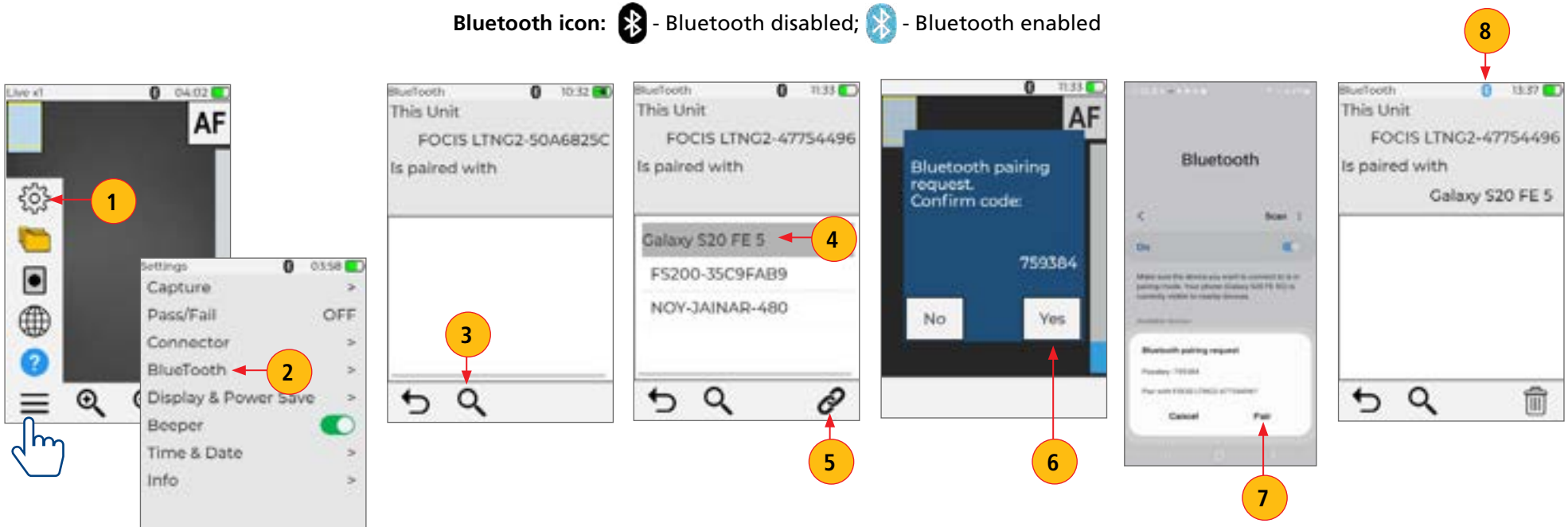
Bluetooth Settings

Enabling Bluetooth and Pairing to another Bluetooth device

FOCIS Flex3 can be paired with Android device, iOS device, and FlexScan OTDR.

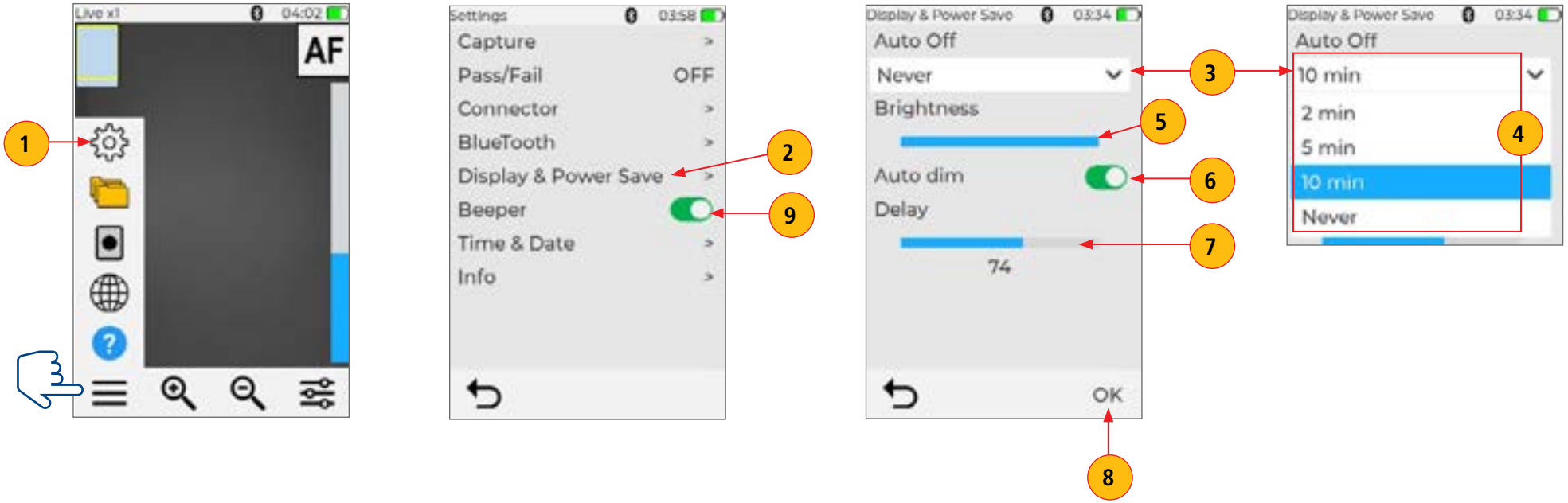
1. In the Live Image screen, touch Menu, then touch Settings.
2. In the Settings screen, touch Bluetooth.
3. Touch the Search icon to see all Bluetooth enabled devices in range.
4. When a list of visible devices is shown, touch the device to pair with.
5. Touch the Link icon to initiate pairing.
6. Confirm pairing on FOCIS Flex3.
7. Confirm pairing on your mobile device.
8. FOCIS Flex3 will report successful pairing and Bluetooth icon changes from black to blue.

Bluetooth icon: - Bluetooth disabled; - Bluetooth enabled



Display & Power Save Settings

1. In the Live Image screen, touch Menu, then touch Settings.
2. In the Settings screen, touch Display & Power Save.
3. Touch the Auto Off option Arrow Down icon.
4. From the displayed Auto Off sub-menu, touch the desired Auto Off option to select: 2 min, 5 min, 10 min, Never.
5. Touch Brightness slider to increase or decrease brightness level.
6. Touch the Auto dim On/Off control to enable/disable auto-dimming.
7. When Auto dim is enabled, touch the Auto dim slider to increase/decrease auto dim time.
   Note: dimming display extends battery life!
8. Touch Save to confirm settings and return to the Settings screen.

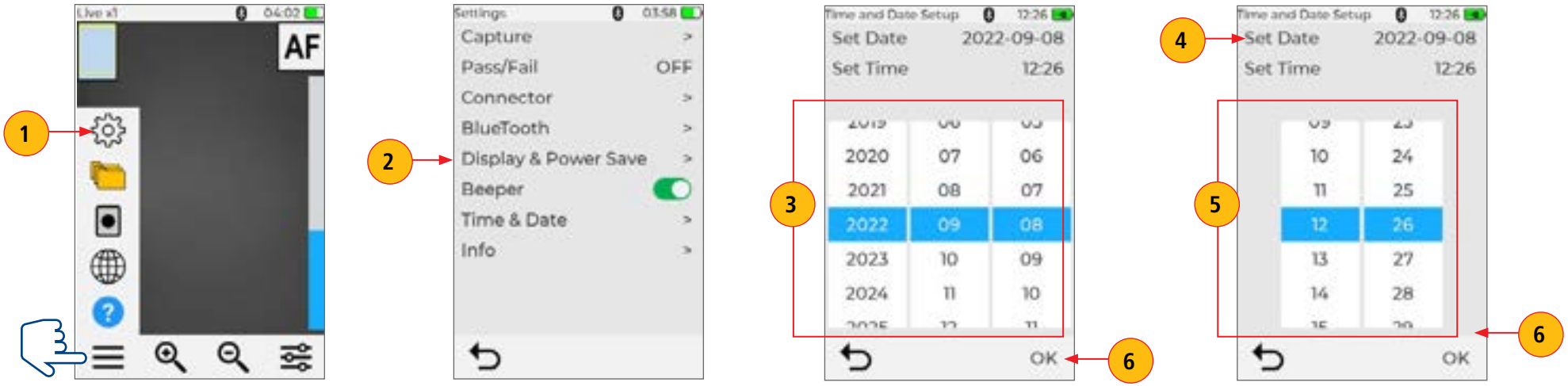


Beeper

9. To enable/disable Beeper touch On/Off ◐/◑ control.

Time and Date Settings

1. In the Live Image screen, touch Menu, then touch Settings.
2. In the Settings screen, touch Time & Date to display the setup menu.
3. Date setup is displayed by default: touch the desired YYYY-MM-DD to select.
4. Touch Set Time to display the setup screen for Time.
5. Touch the desired HH:MM to select. **Note:** Time setting is in 24-hour time format.
6. Touch OK to confirm Date/Time settings and return to the Settings screen.

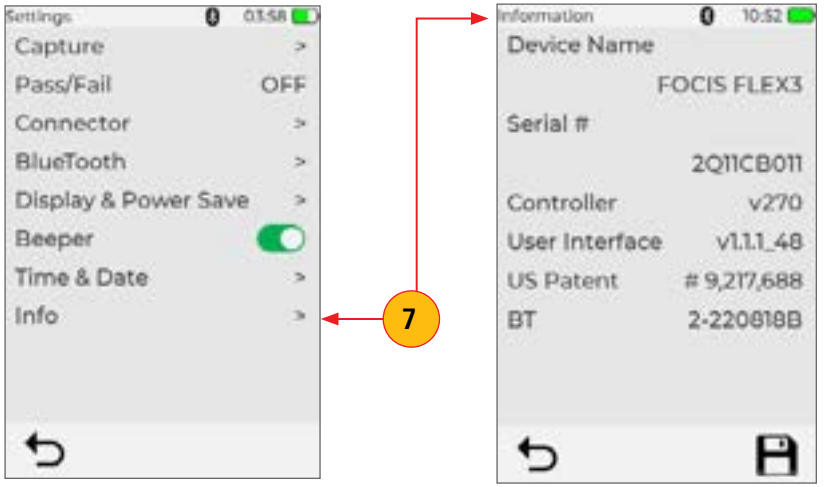


Info Screen

7. To access Info screen: In the Settings screen, touch Info.

Info screen displays the following information:

- Device name
- Serial number
- Controller version number
- User Interface version number
- US Patent - #9,217.688
- Bluetooth version number



Last Image

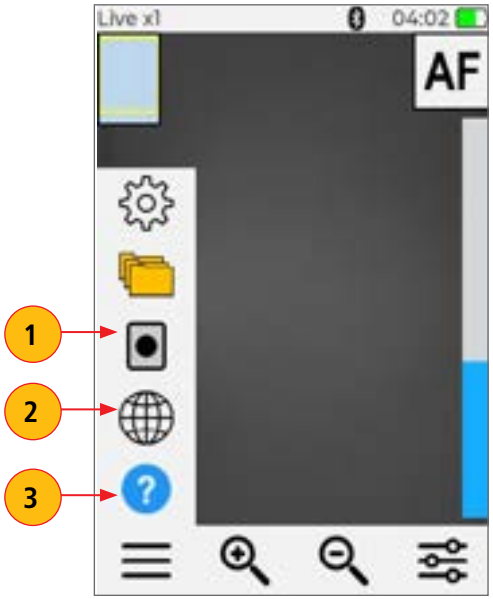
1. Touching the Last Image icon will display the most recently viewed image.

Language

2. Touching the Language icon allows the user to select User Interface language.

Help Menu

3. This menu provides help tips regarding User Interface icons and functionality.





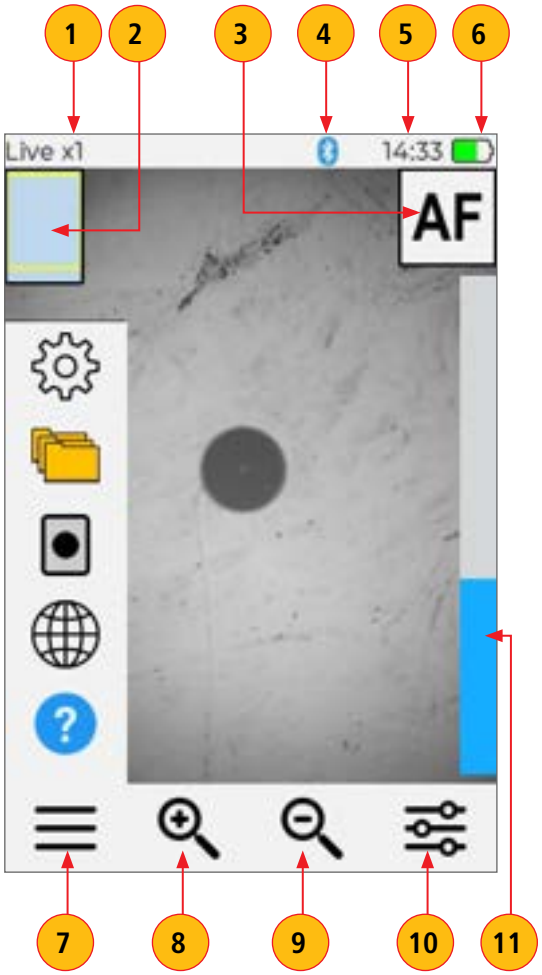


Live Image Mode

Live Image Screen Features

FOCIS Flex3 powers-up in the Live Image mode screen. Users can always display the Live Image screen (from any other mode/screen) by pressing the Capture button once or by touching Back ⮌ enough times.

Touch Screen Indicators and Buttons Functionality



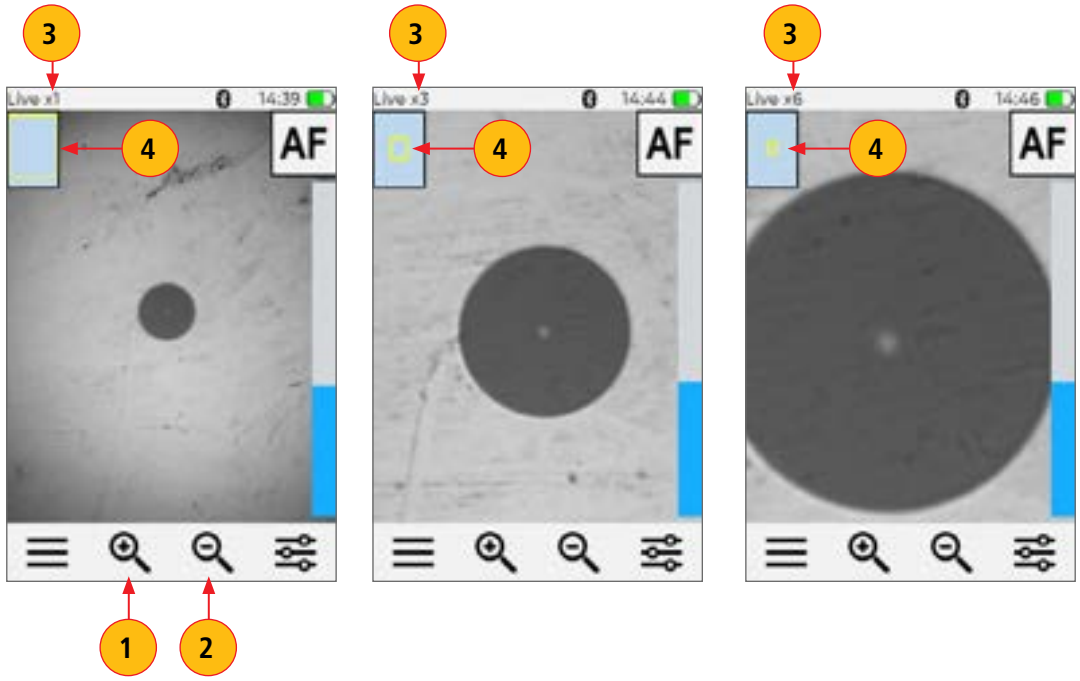
1. **Current Zoom level indicator** — ‘x1’, ‘x3’, or ‘x6’. Zoom level is controlled by touching Zoom icons.
2. **Zoomed area indicator** — Shows zoomed area of the connector: Zoom x1 covers largest area; Zoom x6 covers smallest area. See “Understanding Zoom Level”, page 20.
3. **AF label/touch screen button** — indicates Auto Focus On/Off, as set in Menu > Settings > Capture screen. See “To Enable Auto Focus”, page 12.
   - **AF** label is displayed in **Black** when Auto Focus is enabled – .
   - **AF** label is displayed in **Red** when Auto Focus is disabled – .
   - The user may touch **AF/AF** to auto focus once.
4. **Bluetooth icon** — indicates if FOCIS Flex3 is paired with Android and iOS devices. See “Bluetooth Settings”, page 15:
   - When displayed in Blue - Bluetooth enabled.
   - When displayed in Black - Bluetooth disabled.
5. **Time stamp** — displays current time in 24-hour format. See “Time and Date Settings”, page 17.
6. **Battery icon** — indicates battery charge state. See “Battery Charging and Operation”, page 9.
7. **Menu icon/touch screen button** — Touch to display the Main Menu that allows the user to set preferences, manage saved test results, and perform other non-test functions.
8. **Zoom In button** — Touch to increase image magnification: x1, x3, x6.
9. **Zoom Out button** — Touch to decrease image magnification: x6, x3, x1. See “Understanding Zoom Level”, page 20.
10. **Brightness/Manual Focus/Zoom** toggle control—Touch to display Brightness/Manual Focus/Zoom toggle sub-menu.
11. **Focus level** — Vertical Blue slider indicates the current focus level relative to focus range.
    - Touch and drag up/down to manually adjust focus.
    - Blue section on the slider indicates the current focus level relative to focus range.

Understanding Zoom Level

FOCIS Flex3 provides four zoom levels: x1, x3, x6. Zoom level is controlled by Magnifying Glass icon.

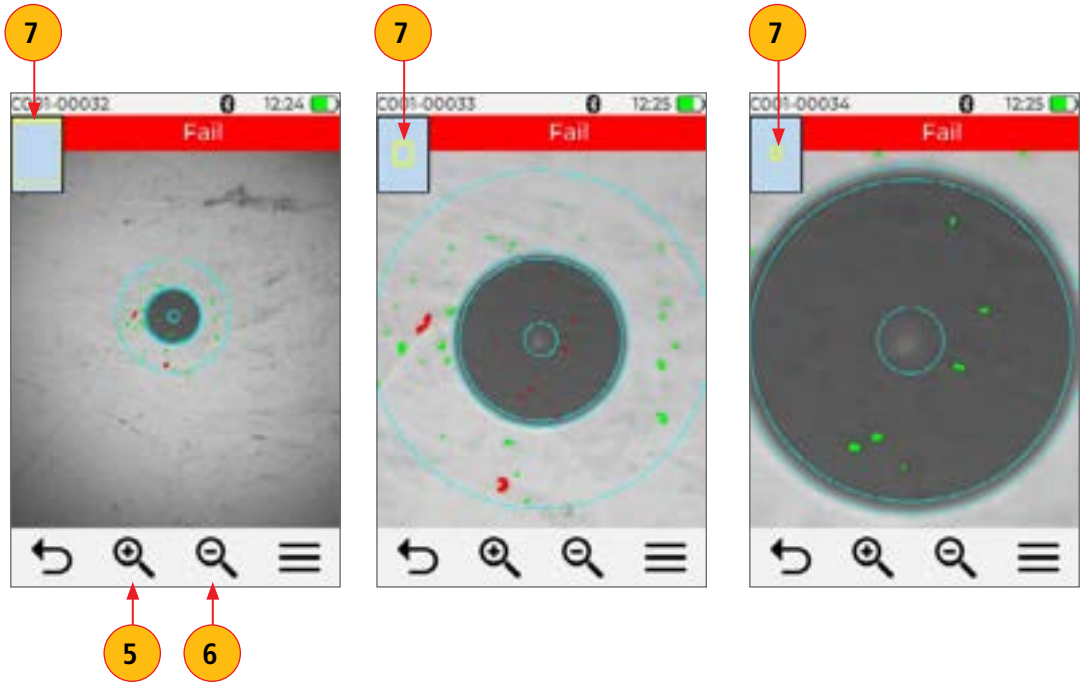
Live Image Mode:

1. Touch Zoom In icon to increase Zoom level.
2. Touch Zoom Out icon to decrease Zoom level.
3. Note that Zoom label chances to indicate the currently selected zoom level.
4. Also, note that Zoomed area indicatorr changes depending on the current zoom level:
   - Zoom x1 covers largest area
   - Higher zoom covers smaller areas
   - Zoom x6 covers smallest area



Captured Image Mode:

5. Touch Zoom In icon to increase Zoom level.
6. Touch Zoom Out icon to decrease Zoom level.
7. Note that Zoomed area indicator changes depending on the current zoom level:
   - Zoom x1 covers largest area
   - Higher zoom covers smaller areas
   - Zoom x6 covers smallest area

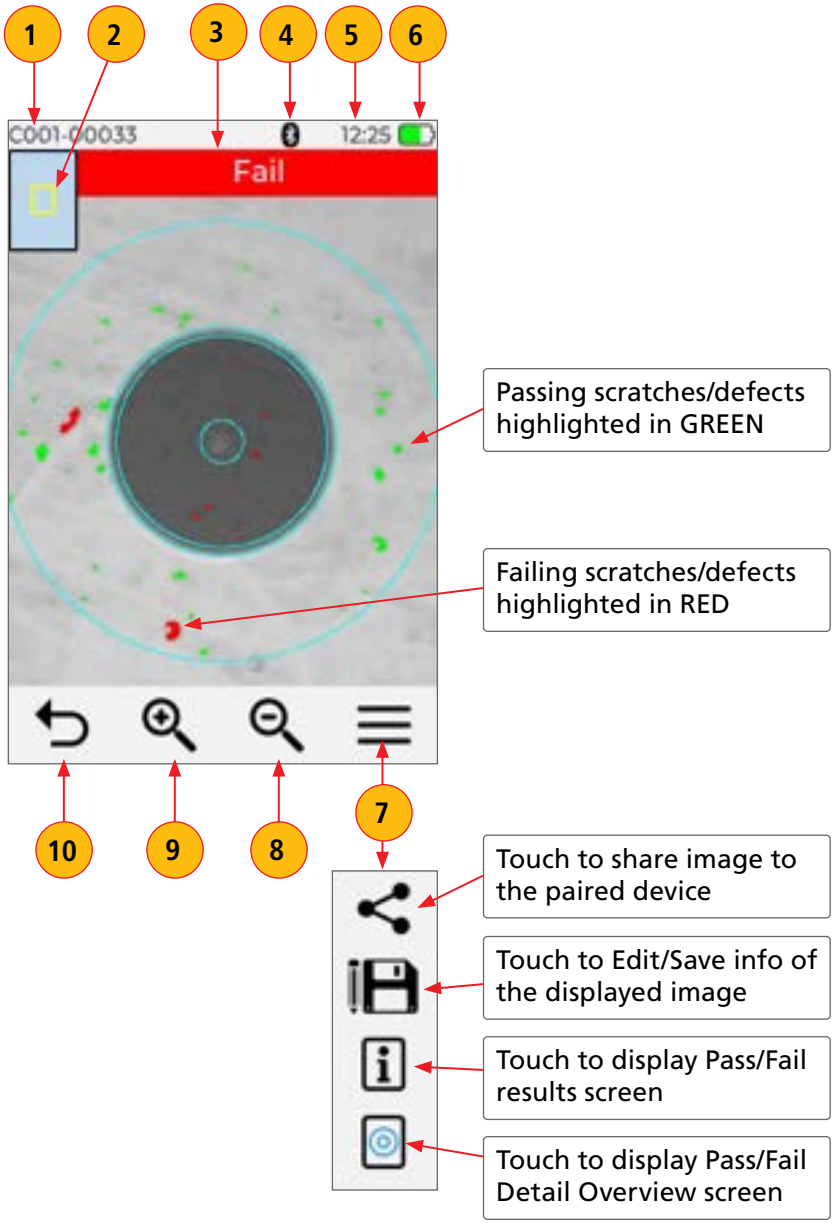


Captured Image Mode - Understanding Captured Results

Captured Image Screen Features

After the fiber end-face image is captured, FOCIS Flex3 transitions to the Captured Image mode displaying inspection results. Below is the description of features seen on the Captured Image screen.

1. **File name** — When a saved image is shown, displays file name (e.g.C001-00003). When unsaved image is shown, displays file name as 'Captured @ hh:mm:ss'.
2. **Zoomed area indicator** — Shows zoomed area of the connector: Zoom x1 covers largest area; Zoom x6 covers smallest area.
   See "Understanding Zoom Level", page 20.
3. **Inspection analysis status** — (Pass or Fail): shown only if the Pass/Fail option is enabled in Settings.
   See "To Configure Pass/Fail Criteria", page 14
4. **Bluetooth Icon** — indicates if FOCIS Flex3 is paired with Android and iOS devices. See "Example IEC Rule", page 13:
   - When displayed in Blue - Bluetooth enabled.
   - When displayed in Black - Bluetooth disabled.
5. **Time stamp** — displays current time in 24-hour format.
   See "Time and Date Settings", page 17.
6. **Battery icon** — indicates battery charge state.
   See "Battery Charging and Operation", page 9.
7. **Menu button** — touch to display the sub-menu: Detail View / Info View / Edit / Save / Share.
8. **Zoom Out button** — Touch to decrease image magnification: x6, x3, x1.
   See "Understanding Zoom Level", page 20.
9. **Zoom In button** — Touch to increase image magnification: x1, x3, x6.
10. **Back button** — Touch to return to the Live Image mode.



Pass/Fail Analysis Details Screen

1. **Screen Title:** displays File Name (e.g. COO1-032) if saved image is shown or Captured @ hh:mm:ss if unsaved image is shown.
2. **Fiber Analysis status:** indicates Pass or Fail and Number of the currently displayed fiber.
3. **Analysis Rule:** displays Analysis Rule applied to determine Pass/Fail.
4. **Analysis Zones:** A - core, B - cladding, C - adhesive, D - contact area.
5. **Scratch analysis results for each zone:** reports the number of detected scratches exceeding limit for each region; highlights failed rules in RED.
6. **Defect analysis results for each zone:** reports the number of detected defects exceeding limit for each region; highlights failed rules in RED.
7. **Back ⮌ button:** press to return to the MPO Image Overview page.

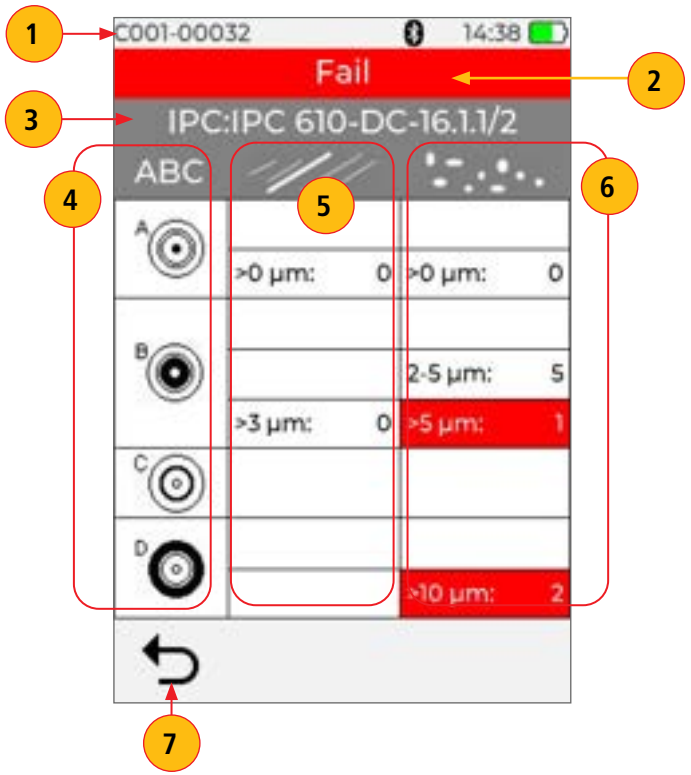
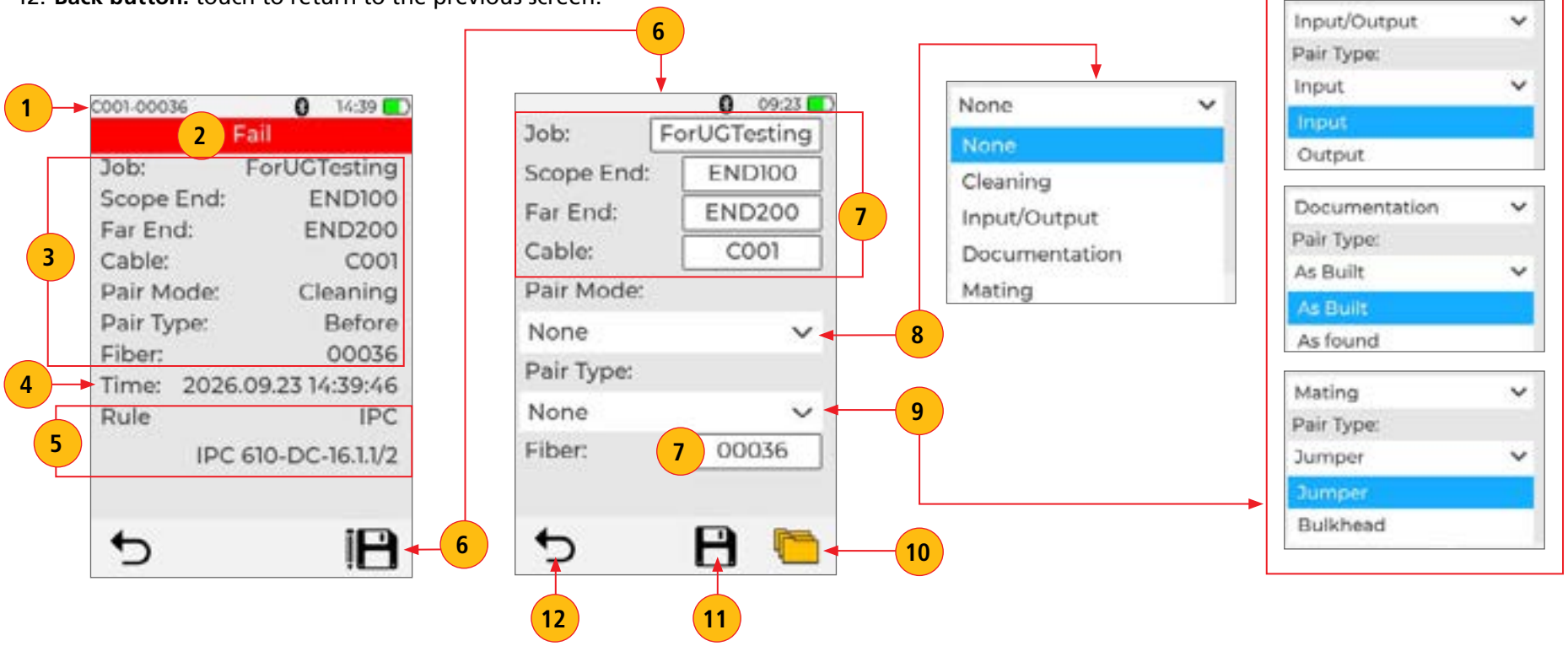


Image Information Screen

1. **Screen Title:** displays File Name (e.g. COO1-032) if saved image is shown or Captured @ hh:mm:ss if unsaved image is shown.
2. **Fiber Analysis Status:** indicates Pass or Fail and Number of the currently displayed fiber.
3. **Results ID:** this field displays all information about saved result, Job ID/Scope End/FarEnd/Cable ID/Pair Mode/Pair Type/Fiber.
4. **Time & Date:** shows time & date of the displayed captured image.
5. **Rule**: indicates applied Pass/Fail analysis rule.
6. **Edit Results ID button:** touch to display editor menu, which allows editing ID parameters as described in references 7-11.
7. **To edit Job ID/Scope End/Far End/Cable ID**: touch the desired field to edit.
8. **To edit Pair Mode**: touch to select one of the available option.
9. **To edit Pair Type**: touch to select one of the available option.
   Note that Pair Type selection options depend on Pair Mode selection.
10. **To edit destination folder:** if needed, you may touch Folder icon to go to the top level Job/Folder structure.
11. **Save edits:** when done, touch Floppy icon to save edits.
12. **Back button:** touch to return to the previous screen.



Managing Inspection Results

After image is captured FOCIS Flex3 displays inspection results that may be saved on the unit internally.

Saving Results Manually

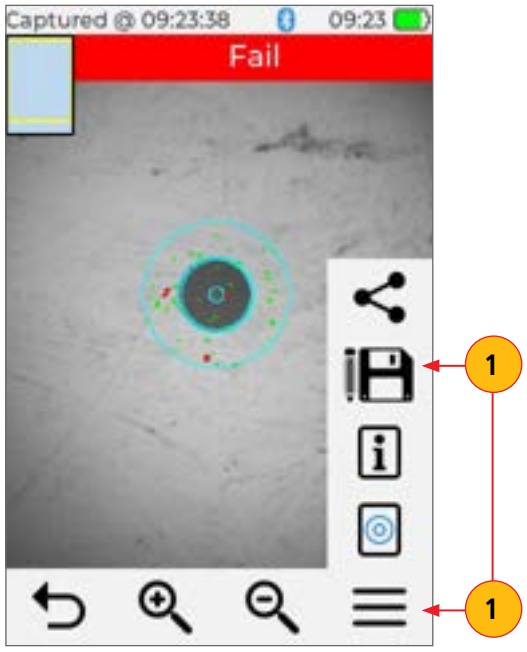
Creating New Folder & Saving Results to a Newly Created Folder

New Job/Scope End/Far End/Cable/Connector names/numbers are created by editing existing file name details.

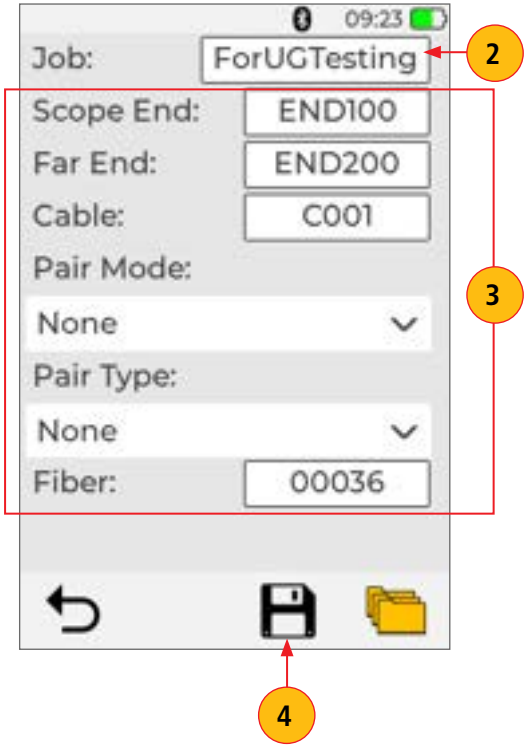
1. While in the Captured Image screen, touch Menu, then touch Floppy to display Job Details screen.
2. On the Job Details screen, touch Job to edit name — this will create a new folder.
3. Touch /Scope End/Far End/Cable/Pair Mode/Pair Type/Fiber to edit as needed.
4. Touch Floppy to save results to the newly created Job/Folder.
5. Display will show saving in progress and then reverts back to the Captured Image screen. Note that screen header changes form 'Captured @ hh:mm:ss' to 'COO1-00036'.

Note: The newly created Job/Folder becomes current where all subsequent test results will be saved.

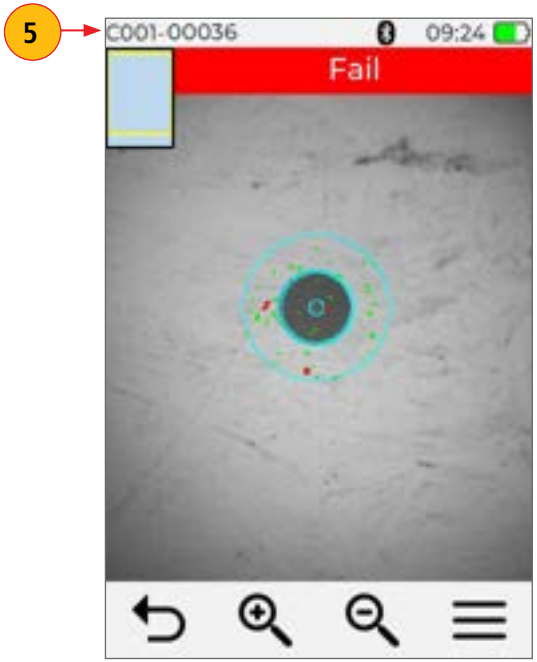
Captured Image – Not Saved



Job Details Screen



Captured Image Saved

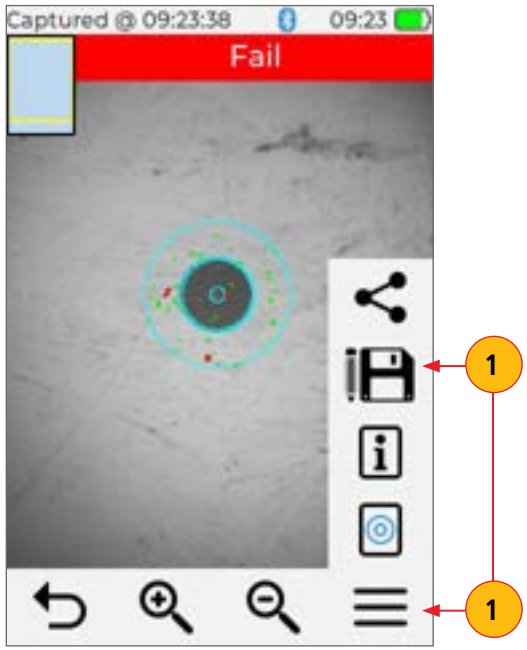


Saving Results to the Current Folder

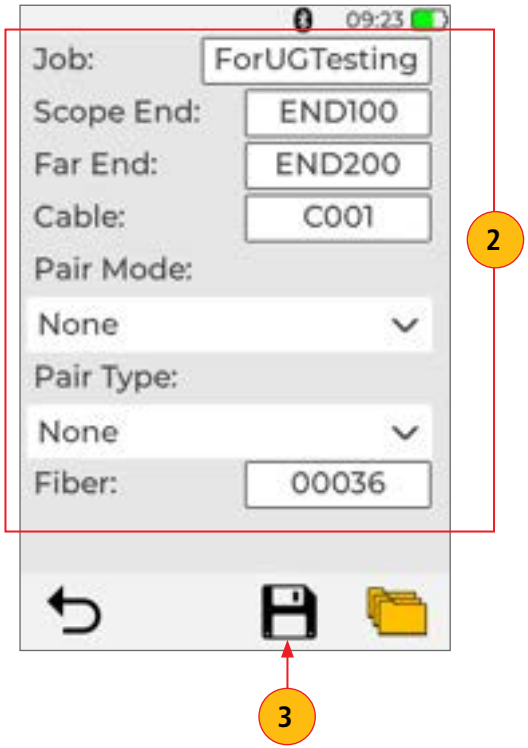
After image is captured FOCIS Flex3 displays inspection results that may be saved on the unit internally.

1. While in the Captured Image screen, touch Menu, then touch Floppy to display Job Details screen.
2. On the Job Details screen, verify that Job name and other details are correct.
3. Touch Floppy button to save captured image and results to the current folder.
4. Display will show saving in progress and then reverts back to the Captured Image screen.
   Note that screen header changes form 'Captured @ hh:mm:ss' to 'COO1-00003'.

Captured Image – Not Saved



Job Details Screen



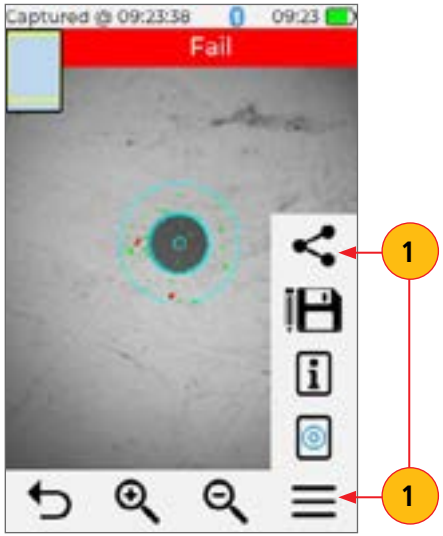
Captured Image Saved



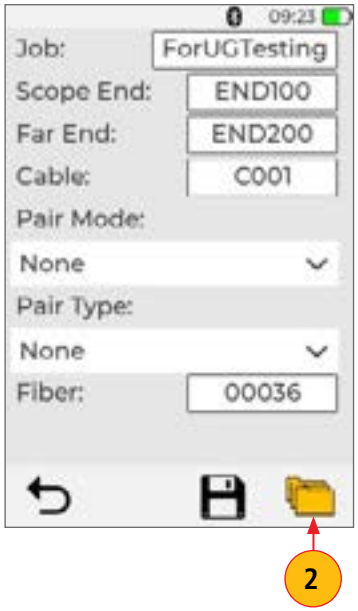
Saving to an Existing Folder, which is not Current

1. While in the Captured Image screen, touch Menu, then touch Floppy to display Job Details screen.
2. On the Job Details screen, touch Folders icon to display Jobs screen.
3. Select the desired folder from the displayed list; touch OK.
4. Now, you are in the Cables screen. Select the desired cable from the displayed list; touch OK again.
5. When back in Job Details screen, verify that selected Job folder is displayed, then touch Floppy to save results in the selected folder.
6. Display will show saving in progress and then reverts back to the Captured Image screen.
7. Note that screen header changes form 'Captured @ hh:mm:ss' to 'COO1-00036'.

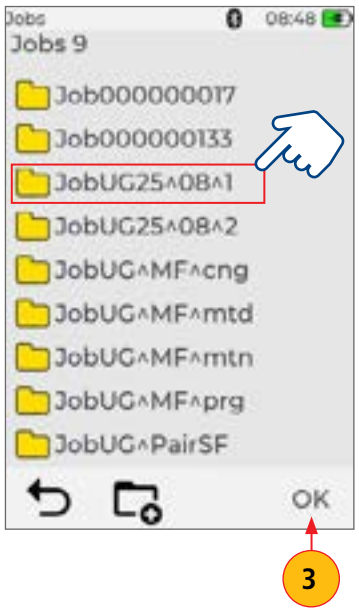
Captured Image – Not Saved



Job Details Screen



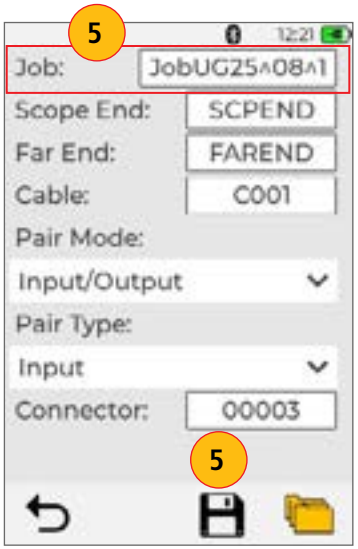
Jobs Screen



Cable Ends Screen



Job Details Screen



Captured Image Saved

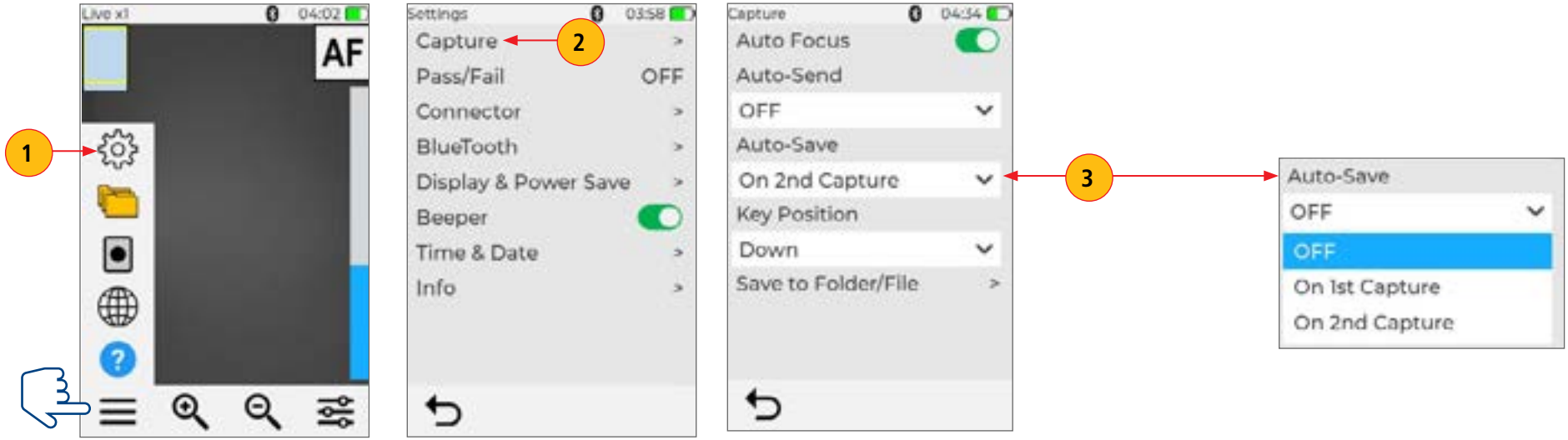


Using Auto-Save Functionality to Save Captured Results Automatically

Captured inspection results may be saved to FOCIS Flex3 internally using 'Auto-Save' functionality.

1. Display Menu, then Touch Settings.
2. Touch Capture to display the Capture settings.
3. Enable Auto-Save functionality.
   - Touch Auto-Save drop-down menu.
   - Select on of the following:
     - Enable on 1st Capture, or
     - Enable on 2nd Capture.
4. When Auto-Save functionality is enabled, press the Capture button from the Live Image mode to auto-focus (if enabled), capture image, analyze pass/fail (if enabled), then save image and pass/fail results to configured Folder/File destination.

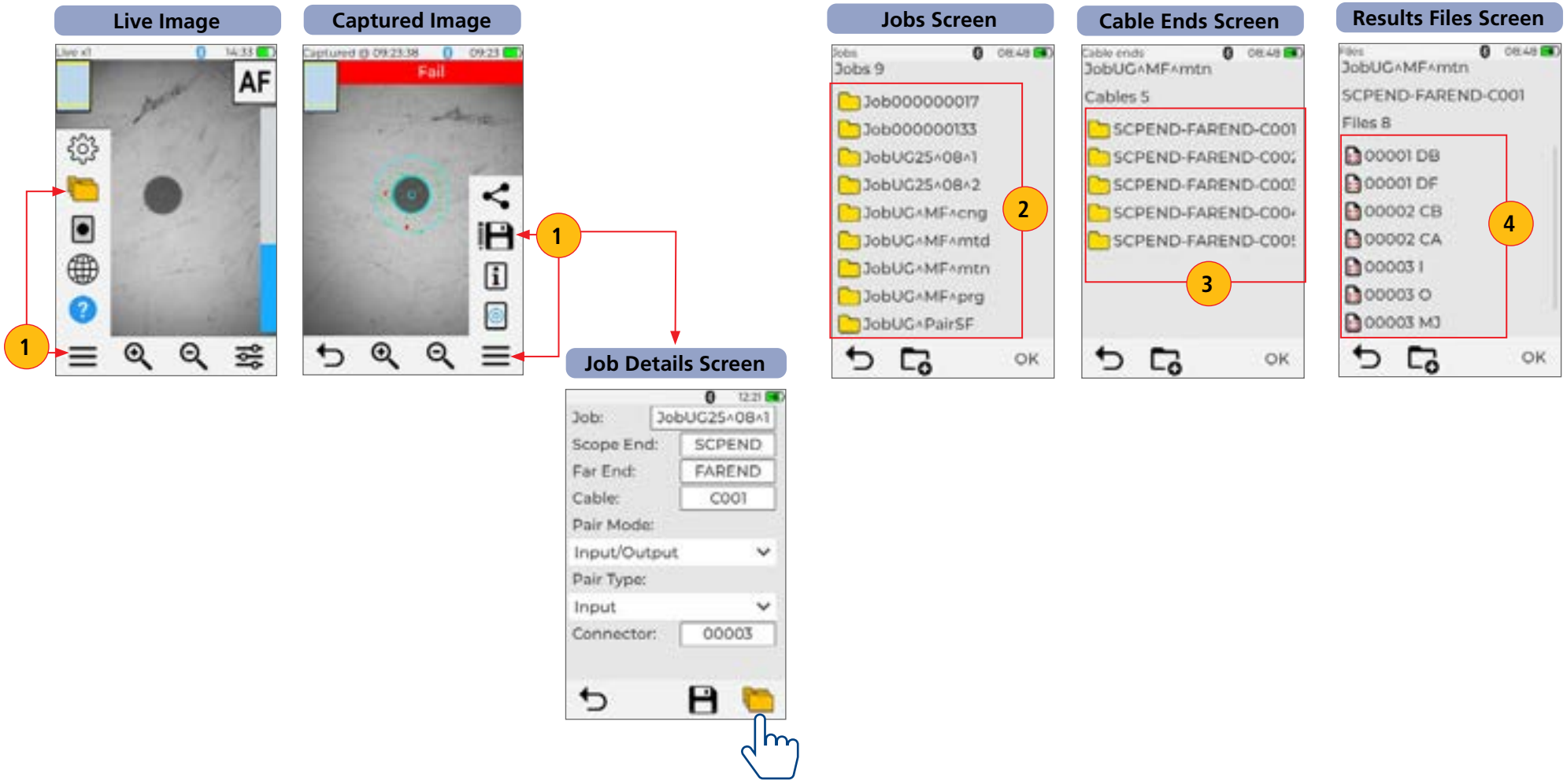
   Note: If 'Auto-Save on 2nd Capture Key' is enabled, you will be prompted to press the Capture button again to save. Press the Back button if you do not wish to save or send image.



File Manager Functions

Opening Saved Image Files for Review

1. The Results Manager is accessed from the Main Menu:
   - From the Live Image screen, touch Menu, then touch Folders.
   - From the Captured Image screen, touch Menu, then touch Floppy, then, on the Job Details Screen, touch Folders.
2. On Jobs screen, Touch the desired Job folder, then touch OK to open.
3. On cable ends screen, touch the desired Cable folder, then touch OK to open.
4. On Results Files scree, touch the desired image file, then touch OK to open.

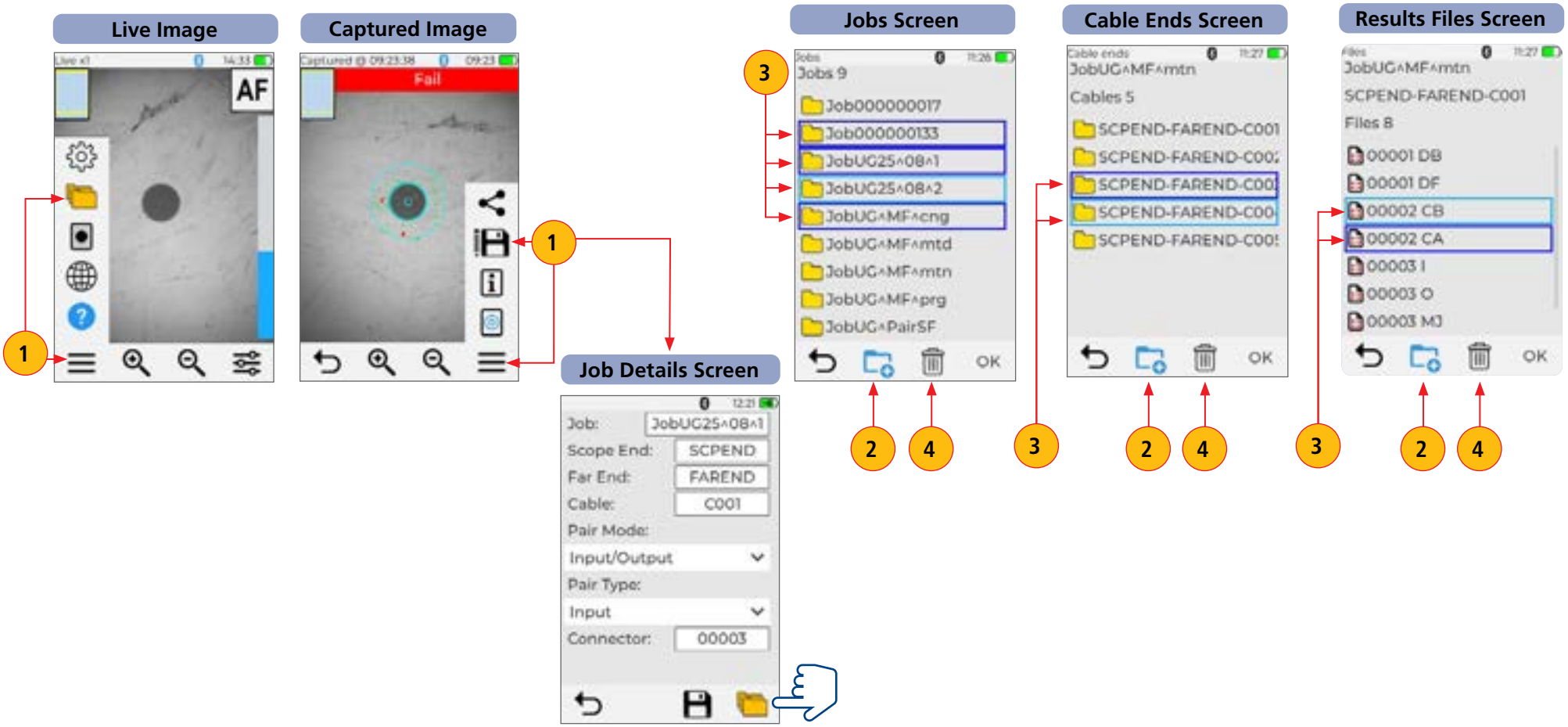


Creating New Jobs/Cables/Files

New Job, Cable End, Cable, or Fiber names are created in the Captured Image mode by editing an existing file name.
For details see section titled "Creating New Folder & Saving Results to a Newly Created Folder", page 24.

Deleting Jobs/Cables/Files

1. The Results Manager is accessed from the Main Menu:
   - From the Live Image screen, touch Menu, then touch Folders.
   - From the Captured Image screen, touch Menu, then touch Floppy, then, on the Job Details Screen, touch Folders.
2. On the Jobs/Cable Ends/ Files screen, touch Select button (presented by 'Folder+' icon).
3. Touch the desired Jobs/Cables/ Files to select them for deletion.
4. Touch Delete button (presented by 'Trash can' icon), then confirm deletion.

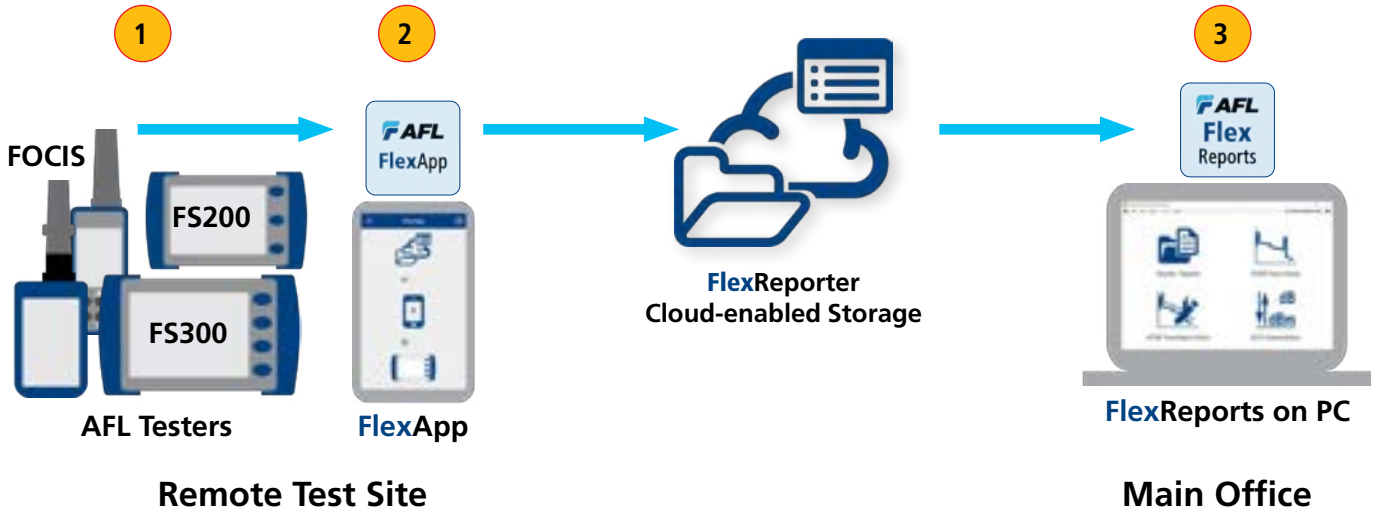


Sharing Inspection Results

Transferring Results Wirelessly via FlexApp to FlexReports

Use the FlexApp to wirelessly transfer test results to FlexReports PC-based software to make report generation quick and easy.

1. From the AFL test equipment (FOCIS Inspection, FlexScan OTDRs), locate and select test results that you'd like to transfer.
2. Use FlexApp:
   - From Google Play or App Store, download FlexScan App to your mobile device.
   - Using FlexScan / FOCIS Bluetooth functionality, initiate transferring the selected test results to FlexApp.
   - Observe how FlexApp forwards test result files to FlexReporter cloud.
3. Use FlexReports to download test results from FlexReports cloud and create your test reports.



Enable Bluetooth on your Mobile Device

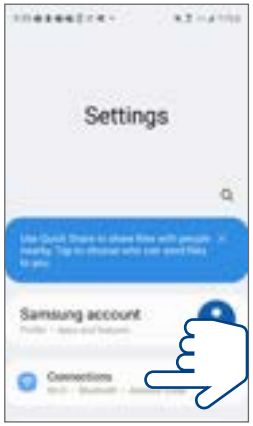
Install FlexApp to your mobile device.

In your mobile device General Settings, make sure to enable Bluetooth and make your mobile device visible to other Bluetooth devices in range.

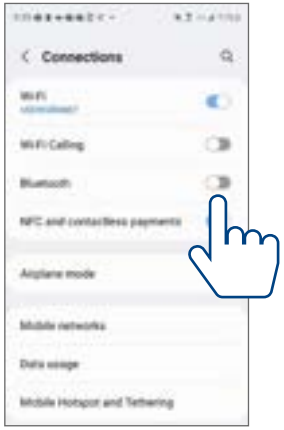
Enable Bluetooth on Android device

In your mobile device Bluetooth Settings:

- Enable Bluetooth.
- Make your device visible.



From Settings, go to Bluetooth



Enable Bluetooth

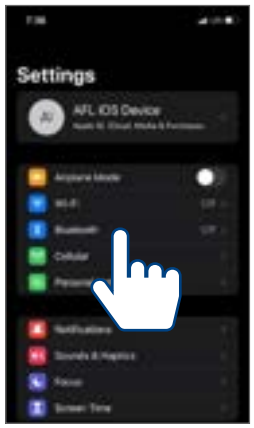


Make your mobile device visible

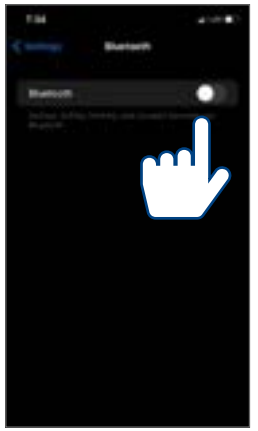
Enable Bluetooth on iOS device

In your mobile device Bluetooth Settings:

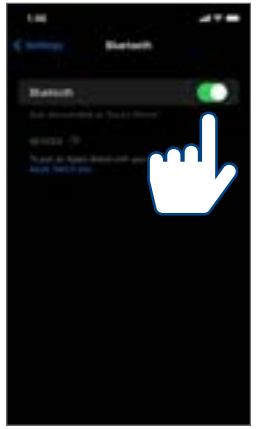
- Enable Bluetooth.
- Make your device visible.



From Settings, go to Bluetooth



Enable Bluetooth

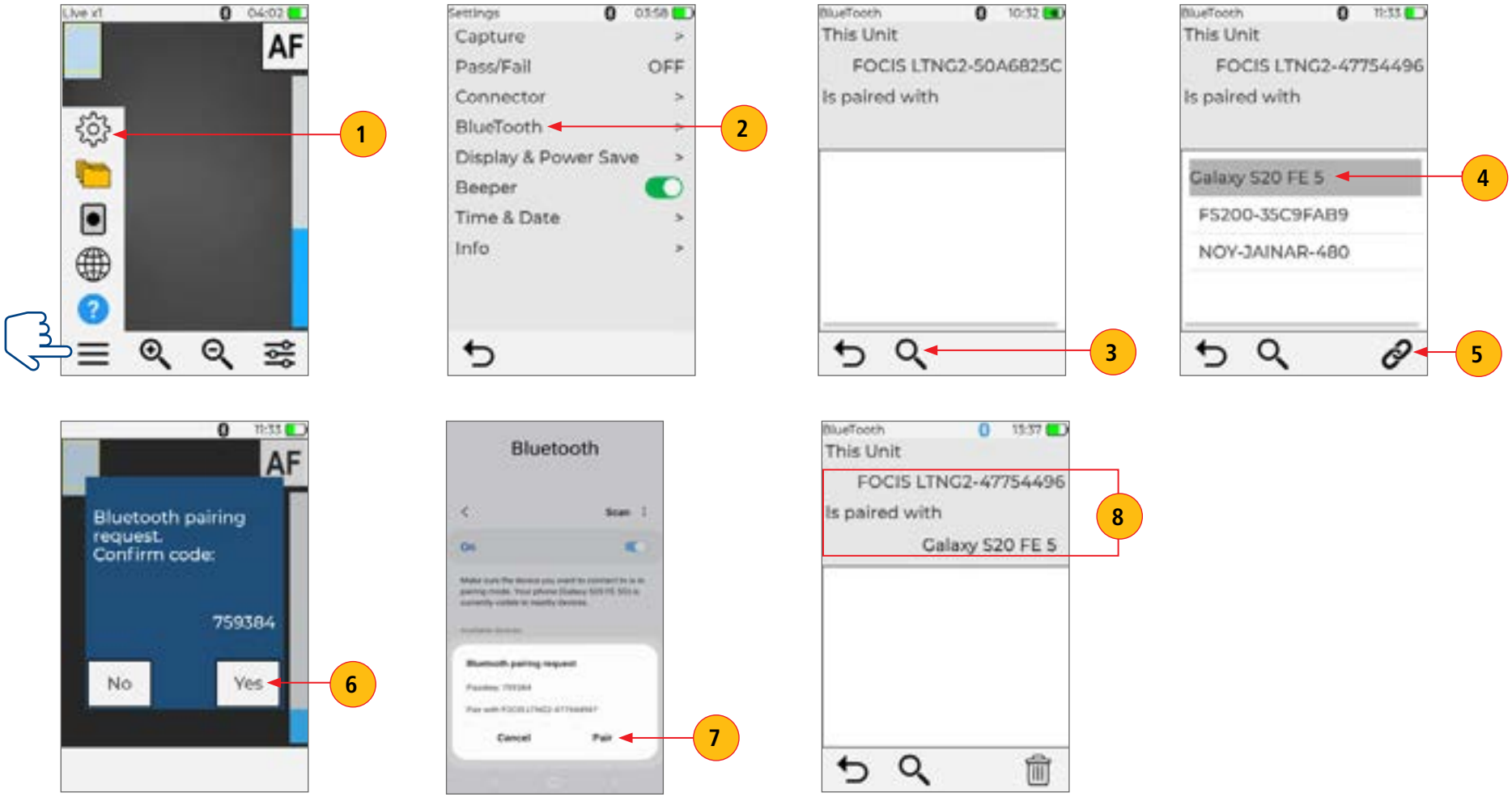


Make your mobile device visible

Pair FOCIS Flex3 to your Mobile Device

1. In the Live Image screen, touch Menu, then touch Settings.
2. In the Settings screen, touch Bluetooth.
3. Touch the Search icon to see all Bluetooth enabled devices in range.
4. When a list of visible devices is shown, touch the device to pair with.
5. Touch the Link icon to initiate pairing.
6. Confirm pairing on FOCIS Flex3.
7. Confirm pairing on your mobile device.
8. Verify that FOCIS Flex3 indicates that it is paired with your mobile device.

Bluetooth icon: - BT disabled; - BT enabled



Auto-send Inspection Results to FlexApp

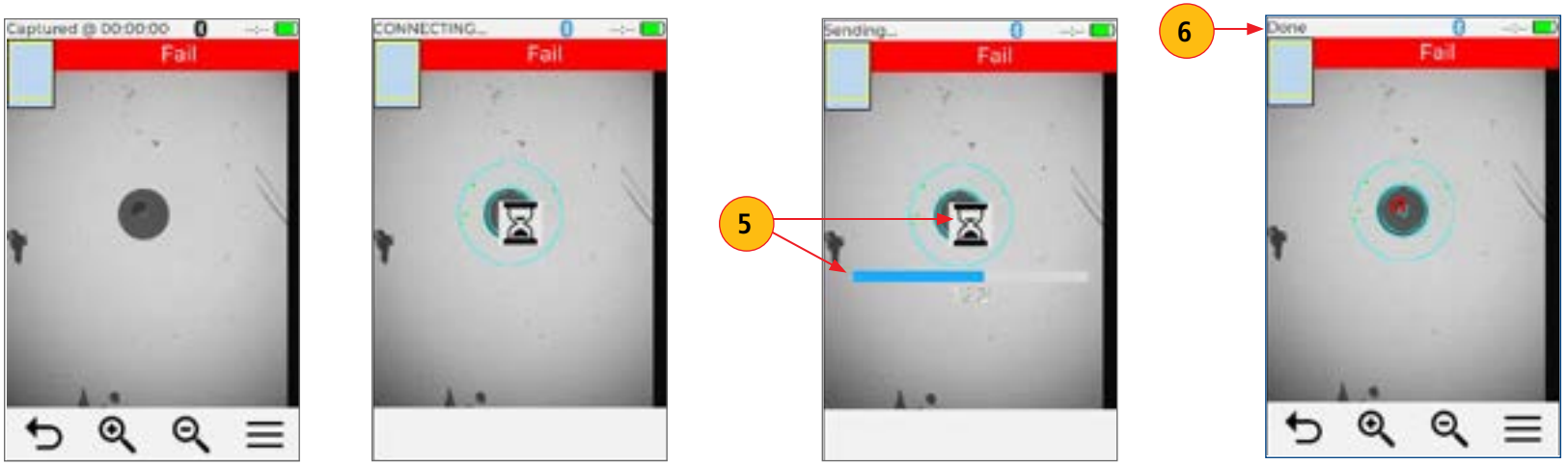
Configure FOCIS Flex3 to Send Results to Paired Mobile Device

1. In the Live Image screen, touch Menu, then touch Settings.
2. In the Settings screen, touch Capture.
3. In Capture Settings, configure to send inspection results to a paired device on 1st or 2nd Capture Key press.



Auto-Send Results to Paired Mobile Device

4. Return to the Live Image mode, view connector end-face and press the Capture Key.
5. FOCIS Flex3 will capture image and auto-send it to your mobile device. Hourglass and Progress Bar will indicate the progress.
6. When transfer complete, FOCIS Flex3 indicates “Done”. FlexApp on your mobile device will display the received image. See next section for details.

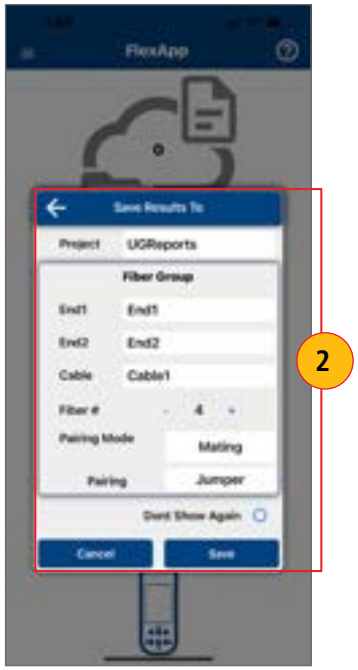


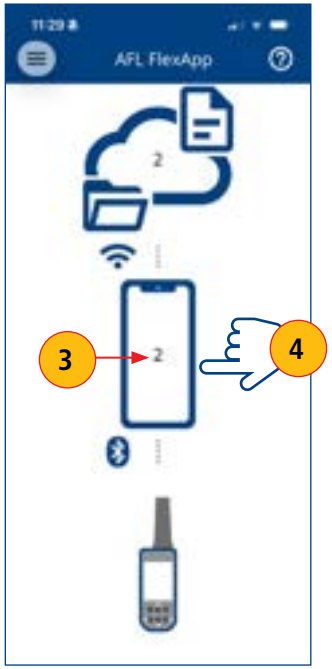
The sequence above shows the successful transfer of the captured image to the FlexApp

Receive Data on your Mobile Device with FlexApp

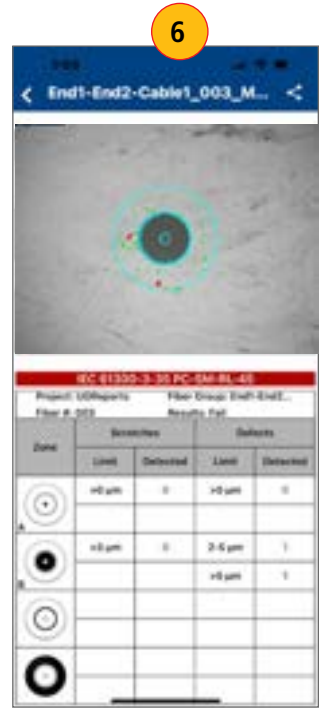
1. In FlexApp, navigate to the Main Menu > Configure Inspection Naming menu.
2. Set Up inspection results naming; then touch Save.
3. Note that inspection results are transferred from the FOCIS Flex3 to the FlexApp on your mobile device.
4. Tap on the Phone icon to navigate to transferred results.
5. Tap on the desired result file to display inspection image and data.
6. View inspection results.





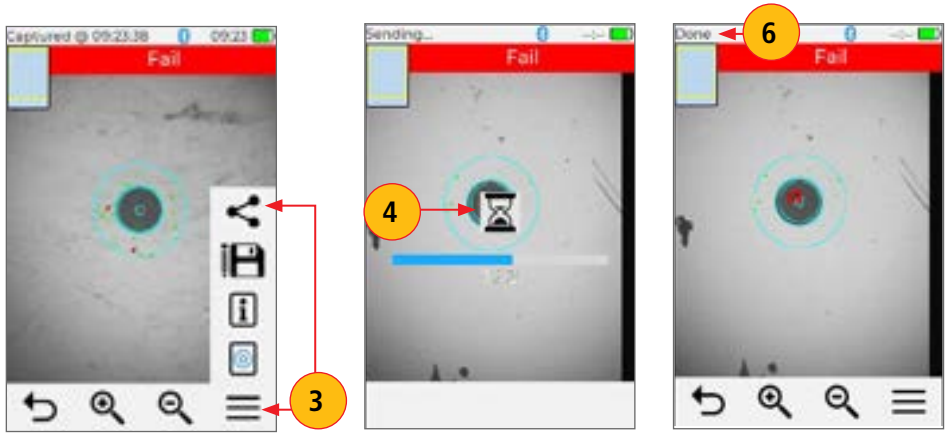






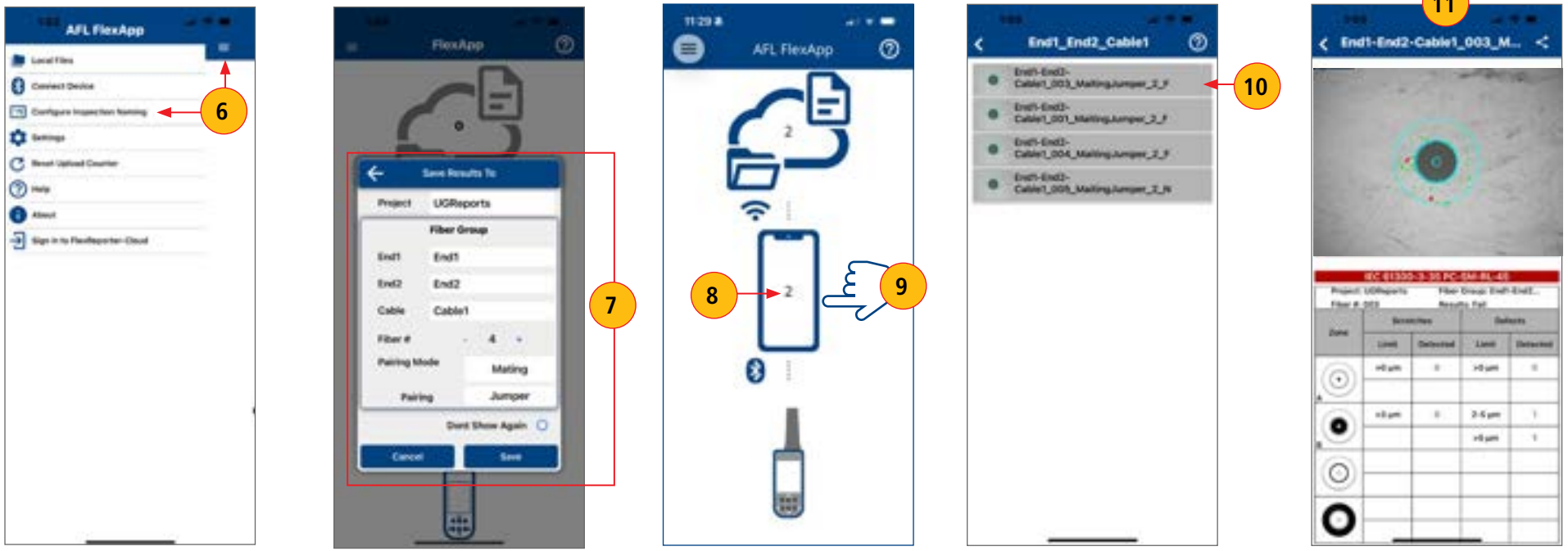
Manually Send Inspection Results to FlexApp

1. Pair FOCIS Flex3 to your Mobile Device. See "Pair FOCIS Flex3 to your Mobile Device", page 32.
2. Press the Capture button to focus, capture and analyze image or recall saved image. See "Opening Saved Image Files for Review", page 28.
3. While in the Captured Image screen, touch Menu, then touch Share.
4. Hourglass will indicate the transfer progress.
5. When transfer complete, FOCIS Flex3 indicates "Done".



Continue to FlexApp on your mobile device

6. In FlexApp, navigate to the Main Menu > Configure Inspection Naming.
7. Set Up inspection results naming; then touch Save.
8. Note that inspection results are transferred from the FOCIS Flex3 to the FlexApp on your mobile device.
9. Tap on the Phone icon to navigate to transferred results.
10. Tap on the desired result file to display inspection image and data.
11. View inspection results on your mobile device.



Sending Captured Results to FlexScan

Automatically Send Captured Inspection Results to FlexScan

Captured test results can be automatically sent to a Bluetooth paired FlexScan using Auto-Send functionality. Perform the following steps to pair your FOCIS Flex3 to your FlexScan.

On FlexScan

1. Configure Bluetooth for pairing:
   - Select Settings > Bluetooth.
   - Enable Bluetooth with Visibility option setting them to 'On'.

On FOCIS Flex3

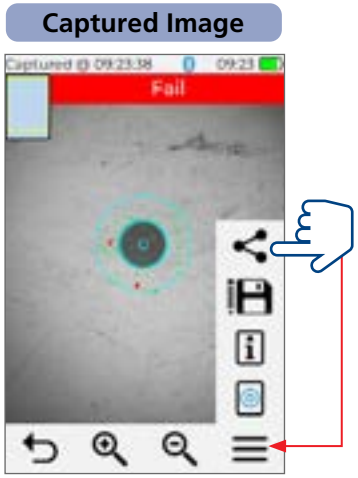
2. Enable Bluetooth and pair your FOCIS Flex3 to your FlexScan device.
   See "Enabling Bluetooth and Pairing to another Bluetooth device", page 15
3. Configure FOCIS Lightning to auto-send captured images on 1st or 2nd Capture Key.
   See "To Configure Auto-Send", page 12
4. Press the Capture button to return to Live Image mode.
5. Press the Capture button to focus, capture, analyze and send image to a paired FlexScan.

Return to FlexScan

6. After a few seconds, captured image and pass/fail results will appear on your FlexScan.

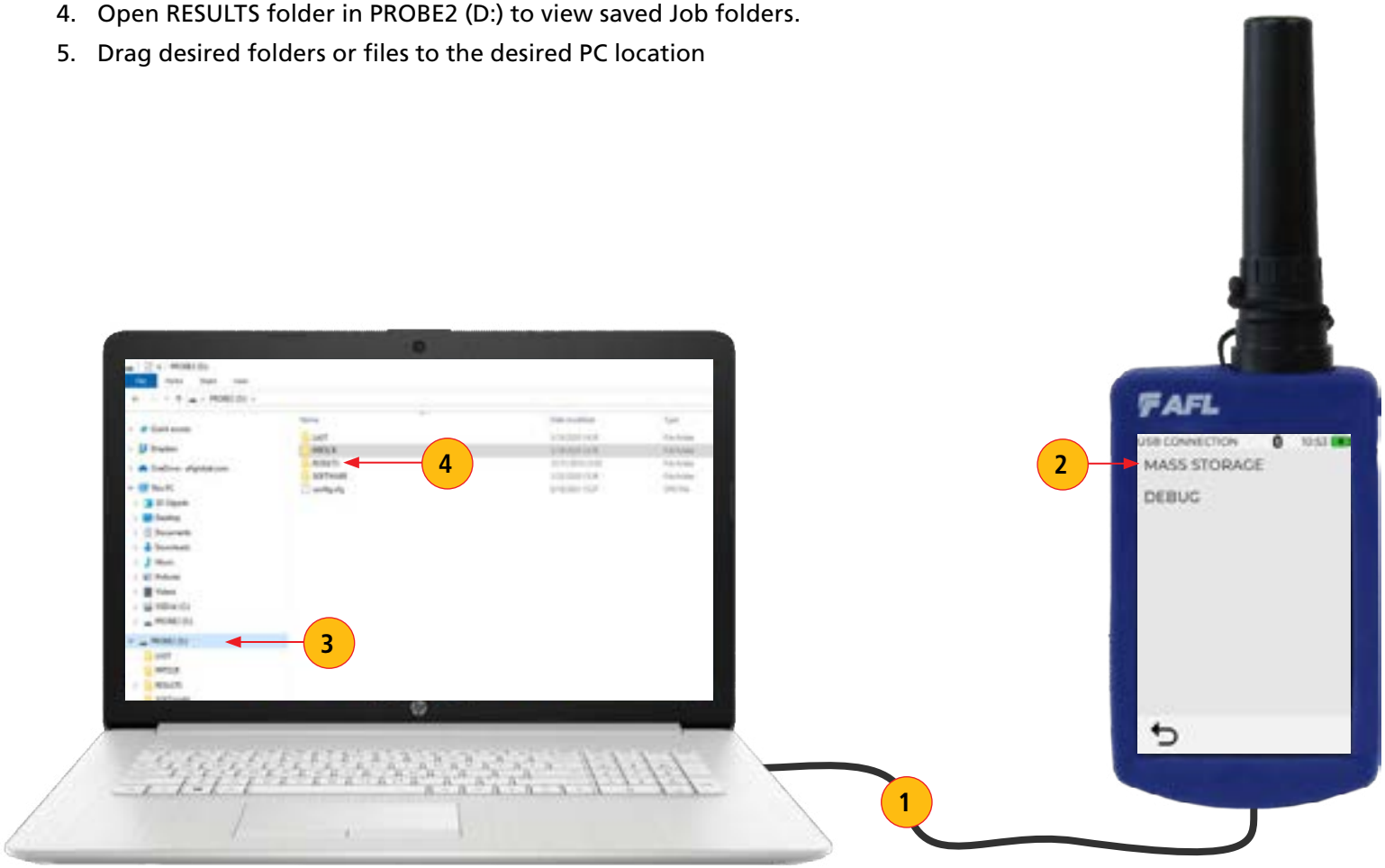
Manually Send Captured Inspection Results to FlexScan

1. Enable Bluetooth and pair your FOCIS Flex3 to your FlexScan device.
   See "Enabling Bluetooth and Pairing to another Bluetooth device", page 15
2. Press the Capture button to focus, capture and analyze image. Or recall saved image that you'd like to send.
3. Touch Menu, then touch Share.
4. After a few seconds, captured image will appear on the paired FlexScan.



Uploading Inspection Results to FlexReporter

1. Connect FOCIS FOCIS Flex3to PC using supplied USB to USB-C cable.
2. Turn on FOCIS Flex3 and Select Mass Storage.
3. At PC, double-click on My Computer and verify that PROBE2 (D:) is displayed. (Probe's drive letter may be different)
4. Open RESULTS folder in PROBE2 (D:) to view saved Job folders.
5. Drag desired folders or files to the desired PC location



Generating Reports with FlexReporter Software Suite

FlexReporter Software Suite works with AFL Test and Inspection instruments to provide a simple-to-use, high performance cloud enabled reporting platform. FlexReporter combines FlexApp – a mobile App that wirelessly transfer test results to FlexReporter-Cloud from the field with a fast, comprehensive, 3-step reporting solution – FlexReports PC software. The FlexReporter software suite was developed to make the complicated task of reporting faster, simpler, and easy-to-use.

FlexReports is a Windows®-compatible PC software that provides comprehensive test results analysis and reporting for AFL FlexScan OTDRs, FOCIS inspection systems, OLTS, and OPM products.

FlexApp is a mobile Android and iOS App that supports AFL's FlexScan® OTDRs and FOCIS connector inspection products (FOCIS Flex, FOCIS Lightning). FlexApp wirelessly transfers test results from any FlexScan OTDR or FOCIS inspection probe directly to FlexReporter-Cloud from the field for subsequent analysis, editing, and reports generation with FlexReports PC software.

Using FlexReports for Downloading Test Results from FlexReporter-Cloud

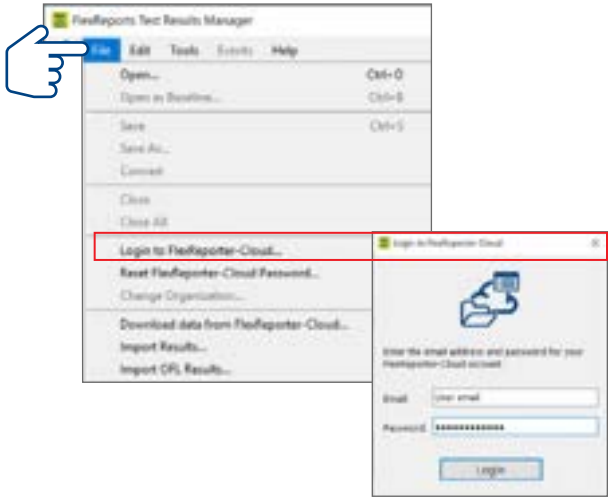
1. Install and run latest version of FlexReporter.
2. From FlexReports Home screen menu, click File and click "Log in to FlexReporter-Cloud" to log in.
3. Click "Download data from FlexReporter-Cloud". Navigate and select the desired folder with results for download, then click "Download".
4. Return to the FlexReports Home Menu to view results or generate a test report.

1

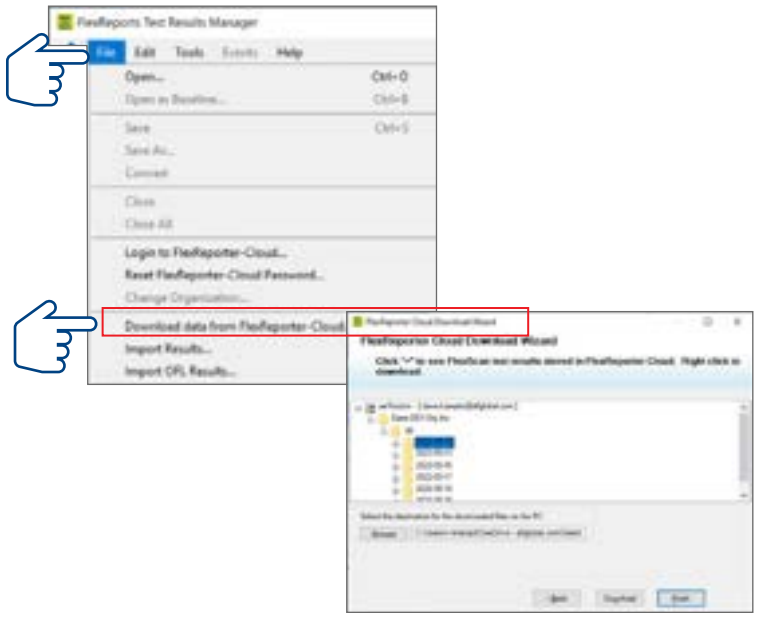


Download FlexReports

2



3

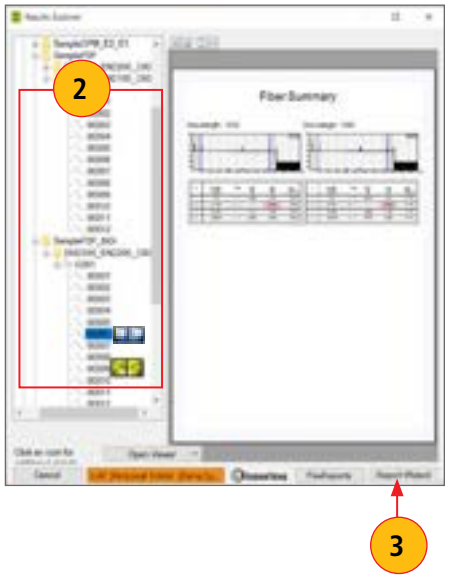


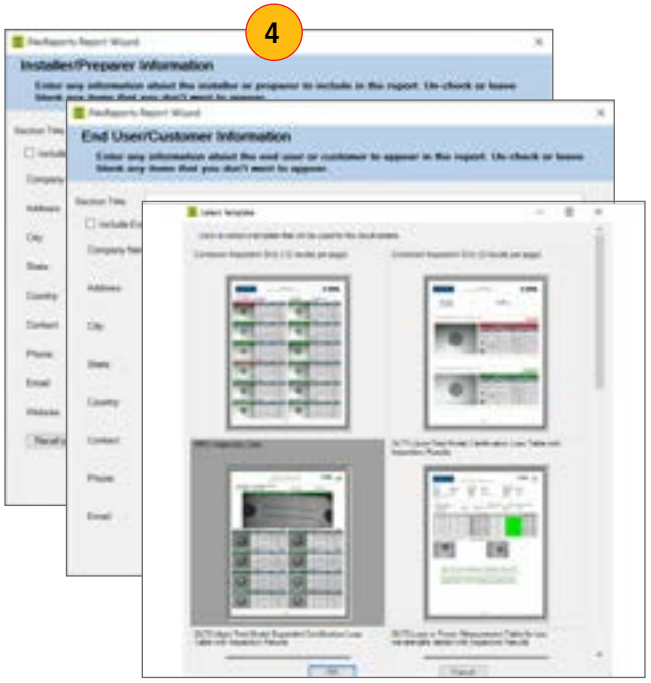
Creating MPO Inspection-only Reports

1. From the FlexReports Home screen, select Results / Reports application
2. Navigate to uploaded FOCIS Flex3 results.
   - Select Route folder(s) for all results.
   - Select Cable for cable results.
   - Select individual MPO(s) for connector results
3. Access Report Wizard by clicking the Report Wizard button.
4. Follow the on-screen instructions for generating, saving, and printing test reports.
   - Select desired inspection template (2 or 12 results per page).
   - Select Finish and print or save as PDF.

See FlexReports User's Guide









Inspection Detail Report

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