VIAVI

INX™ 700 Series Probe Microscope

User Guide

22174569 R006, Standard

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About this guide

This guide provides information about INX™ 700 Series Probe Microscopes and their use via the local touchscreen.

The following updates appears in this revision:

• Updated sections: "Series Introduction", "Getting Started" and "Microscope Operation".

• Added chapter "Troubleshooting".

At updatemyunit.net you can access and download up-to-date documentation and software, including the following:

• *INX 700 Series Inspection Probe Microscope User Guide* (this document)

• INX 700 Series Microscope Software

• *Using the VIAVI Mobile Tech App with INX Series Probe Microscope Quick Start Guide, 22185265*

• ReportPRO Software

• FiberCheckULTRA Software

> **Note:** Information about remote operation is provided in the *Using the VIAVI Movile Tech App with INX Series Probe Microscopes Quick Start Guide.*

Safety instructions

	CAUTION
⚠	Turn off the equipment, and disconnect all cables connected to it before moving the equipment or performing maintenance procedures.
	ATTENTION
	Éteignez l'équipement et débranchez tous les câbles qui y sont connectés avant de déplacer l'équipement ou d'effectuer des procédures de maintenance.

	WARNING
⚠	• To prevent potential fire or shock hazard, do not expose the equipment to any source of excessive moisture. • Do not perform any operating or maintenance procedure that is not described in the user documentation. If the equipment is used in a manner not specified by VIAVI, the protection provided by the equipment might be impaired. • Do not attempt to service this product yourself, as opening or removing covers might expose you to dangerous high-voltage points and other hazards. Refer all servicing to qualified VIAVI service personnel. • Do not operate any equipment with its covers or panels removed.
	AVERTISSEMENT
	• Pour éviter tout risque d'incendie ou d'électrocution, n'exposez pas l'équipement à une source d'humidité excessive. • N'effectuez aucune opération ou procédure de maintenance qui n'est pas décrite dans la documentation utilisateur. Si l'équipement est utilisé d'une manière non spécifiée par VIAVI, la protection fournie par l'équipement peut être altérée. • N'essayez pas de réparer ce produit vous-même, car l'ouverture ou le retrait des panneaux latéraux peut vous exposer à des points haute tension dangereux et à d'autres dangers. Confiez tous les travaux d'entretien au personnel de service qualifié de VIAVI. • N'utilisez aucun équipement dont les panneaux latéraux ont été retirés.

Note: See also "Regulatory compliance" on page A-1.

1 Introduction

INX 700 Series Inspection Probe Microscopes offer unparalleled efficiency in ensuring pristine single-fiber, duplex-fiber, or multifiber connections.

Optimized for field use and VIAVI TPA™ (Test Process Automation) enabled, INX 700 Series microscopes enable automation of every step of the inspection process, including test set up, tip configuration, image panning and focus, end-face analysis testing, and data storage.

Operators can use an INX 700 Series microscope autonomously. Microscopes that support wireless connectivity can be connected to a local device, such as a mobile device or PC, via USB or wireless connection, with the VIAVI Mobile Tech app serving as the bridge between the microscope and the cloud. For information about using the VIAVI Mobile Tech app with a microscope, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Figure 1-1: INX 700 Series

Figure 1-2: INX 762

Variants

| Variant	Description
INX 750	INX 750 Probe Microscope
INX 760	INX 760 Probe Microscope
INX 752	INX 752 Probe Microscope (Standard Capacity)
INX 754	INX 754 Probe Microscope (Extended Capacity)
INX 762	INX 762 Probe Microscope (Standard Capacity)
INX 764	INX 764 Probe Microscope (Extended Capacity)

Specifications and regulatory compliance

Table 1-1: INX 700 Series Probe Microscope specifications

Parameter	Specification
Display	320 x 240-pixel (2.4") IPS color backlit touch screen
Status indicators	• LED ring • Speaker
Power supply	5V/2.1A USB AC adapter USB-C PD Adapter up to 45W
Battery (field replaceable)	Li-ion 18.15Wh (750 & 760) Li-ion 23.12Wh (752 & 762) Li-ion 49.7Wh (754 & 762)
Charging modes	• USB2.0 in 500mA and 1.5A modes • USB-C Power Delivery (PD), 500mA, 1.5A, and 3A modes • DC Barrel Jack
USB port	1x USB-C
Wireless connectivity **Note:** INX 760 Probe Microscope only	Singleband 2.4 GHz • Bluetooth® 5.2 BLE • Wi-Fi 802.11b/g/n
Mounting point	¼" diameter, 20 threads per inch (¼"-20) socket
Operating temperature	0 to 40°C (32 to 104°F)
Operating humidity	0 to 90% non-condensing
Storage temperature	-20 to 60°C (-4 to 140°F)
Dimensions (without inspection tip) [L x W x H]	• INX 750 & 760: 253 x 191 x 60 mm • INX 752 & 762: 253 x 228 x 60 mm • INX 754 & 764: 253 x 228 x 96 mm
Weight (without inspection tip)	• INX 750 & 760: 500g • INX 752 & 762: 850g • INX 754 & 764 1005g
Inspection tips	Simplex, Duplex, or Multifiber; stainless steel with threaded mounting nut; integrated auto-identification technology; tether point (lanyard sold separately)

Regulatory compliance

To access regulatory compliance information on the microscope, select **Main Menu** > **System Settings** > **System Info** > **Regulatory Info**.

Introduction

Figure 1-3: Accessing regulatory compliance information
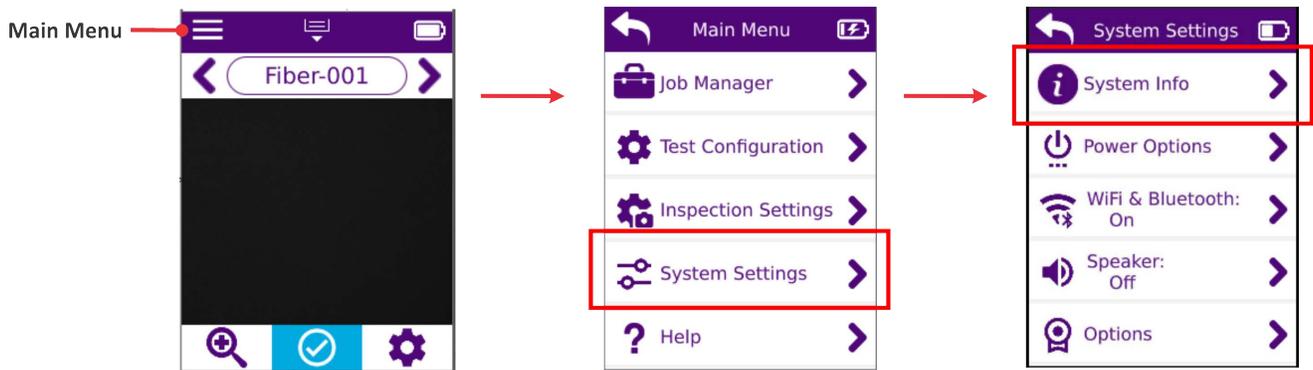
Technical Assistance Center and Knowledge Base

To find the Technical Assistance Center phone number and email in your region for the
INX 700 Series Probe Microscope, or to search the VIAVI Solutions Knowledge Base, visit the VIAVI Solutions
Technical & Product Support site at support.viavisolutions.com.

2   Getting started

This section covers the following information:

Microscope features
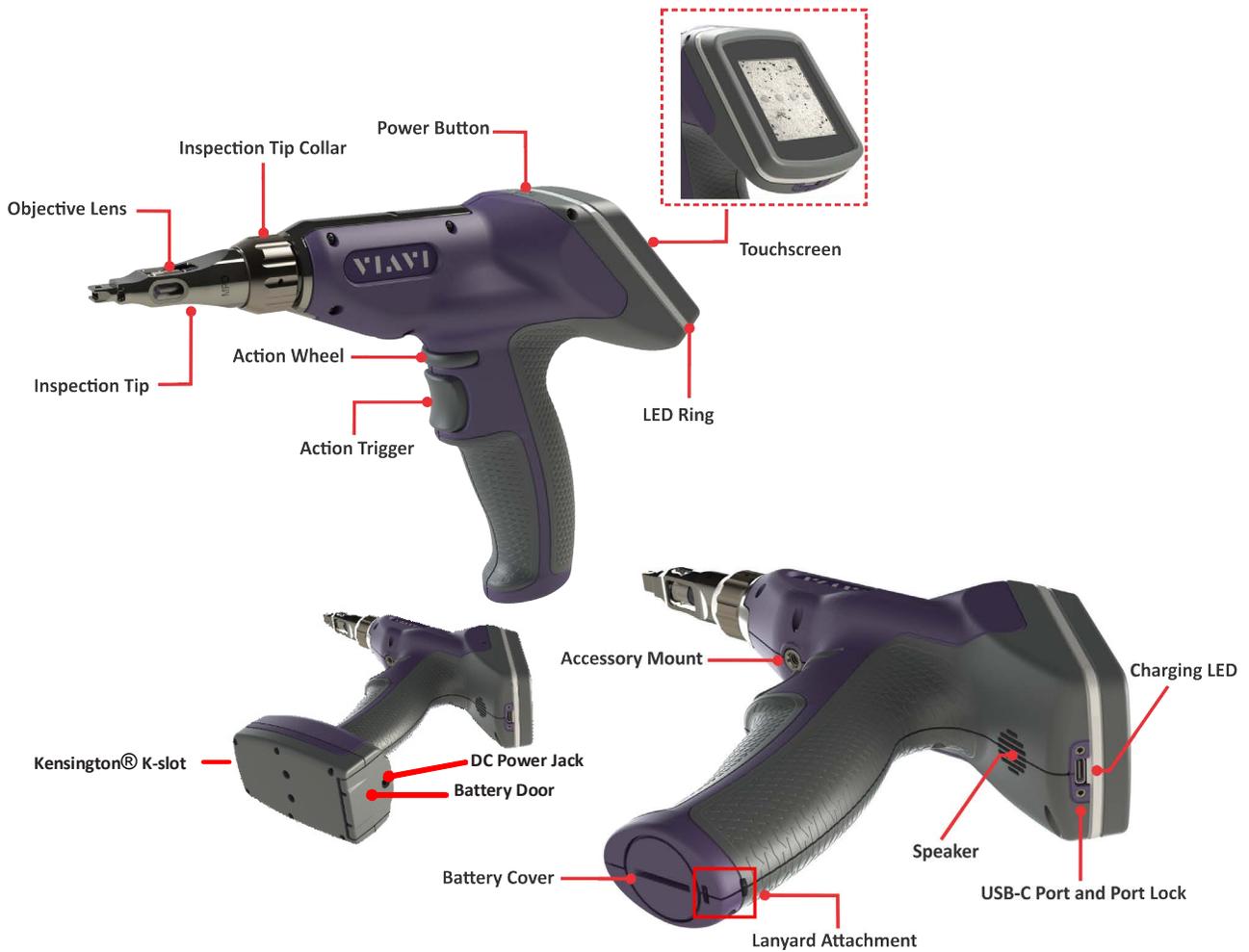
LED states

State	LED Ring	Charging LED
Off	• Microscope powered OFF • Microscope powered ON, no test in progress	• Microscope powered OFF • Battery charger not connected
Orange	—	Battery charging, microscope powered OFF
Blue	—	Microscope powered ON
Purple (circulating)	Test in progress	—
Red	Test failed	—
Green	Test passed	Battery fully charged
Blue Orange (flashing)	—	Fully discharged battery charging, microscope powered ON (Power OFF microscope until battery charged)

Action wheel

Depending on the type of fiber connector installed on the inspection tip, the Action wheel enables you to either manually focus the Live image of a fiber connector displayed on the **Home** screen or pan across it.

Fiber connector type	Rotate the Action wheel to...
Simplex or Duplex	Manually focus the Live image of the fiber end face
Multifiber	Manually pan across the Live image of the fiber end face

Action trigger

The Action trigger operates via either short press or long press (i.e., press and hold).

Do the following...	To...
Short press the Action trigger	• Start a Pass/Fail test while Auto-test system setting is set to On AutoFocus (see "Managing system settings" on page 3-17) • Autofocus the fiber image displayed in Live view • Return to the **Home** screen from any other screen
Long press the Action trigger	Start a Pass/Fail test

Powering the microscope ON or OFF

2-4

Powering the microscope ON

Step 1   Press and hold the Power button for two (2) seconds.

Step 2   Note the following sequence:

- The touchscreen lights, and the start-up screen appears after a few seconds.

- The charging LED lights blue.

- The objective lens of the microscope might move to automatically adjust its position.

- The **Home** screen appears on the touchscreen after the initialization process is completed.

    The following image shows the **Home** screen that displays when an inspection tip is installed on the microscope, but no fiber is connected to the tip.
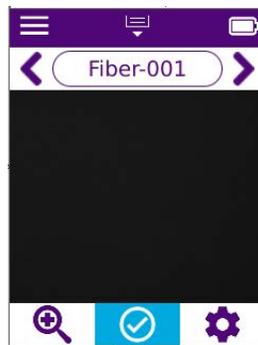
    While an inspection tip is installed on the device, the fiber illumination LED emits a blue light from the end of the objective lens.

> **Note:**   To protect the objective lens from dust and debris, always place the safety cap on the inspection tip when the microscope is not in use. For information, see, "Installing a fiber inspection tip" on page 2-6.

— End —

Powering the microscope OFF   2-5

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

  The fiber illumination LED and the charging LED turn off after a few seconds.

  Note: You can set an automatic power OFF setting for the microscope. See "Managing system settings" on page 3-17.

— End —

Installing a fiber inspection tip

2-6

Step 1   Remove the inspection tip installed on the microscope:

    i.   Holding the microscope securely, rotate the inspection tip collar to fully loosen it.

    ii.   Carefully pull the tip away from the microscope, ensuring that the tip does not come into contact with the objective lens.
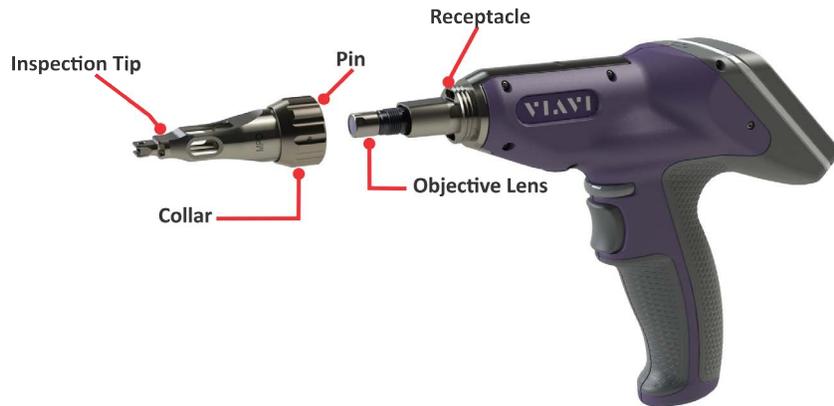
    iii.   Install the safety cap at the back of the inspection tip, place the tip in a dust-proof container, and store it in an accessible location.

Step 2   If the microscope is powered on, note the following:

- The fiber illumination LED turns off.

- The **Home** screen indicates that no tip is attached to the microscope, and the Tool tray is disabled.

Step 3   Install the required inspection tip:

    i.   If present, carefully loosen and remove the inspection tip cap cover from back of the tip, and place it in a dust-free container.

    ii.   Align the pin at the rear of the inspection tip with the receptacle on the microscope.

    iii.   Carefully position the inspection tip onto the microscope, ensuring that the tip does not come into contact with the objective lens, and that the pin is inserted in the receptacle.
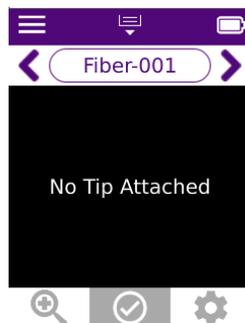
    iv.   Thread the collar of the tip, and rotate it to secure it to the microscope. Do not overtighten the collar.

Important: Ensure that the collar is properly threaded and secured to the microscope.

Step 4   If the microscope is powered on, note the following:

▪   The objective lens might move to adjust to the correct position for the newly installed tip.

Note: You can confirm that the microscope has detected the type of tip installed by accessing Test Configuration settings. For information, see "Navigating the Home screen" on page 3-2.

▪   The fiber illumination LED emits a blue light from the end of the objective lens.

Note: Place the dust cover onto the inspection tip to keep the objective lens free of dust and debris while the microscope is not in use.

— End —

Mounting a fiber connector

Step 1   Power ON the microscope, and, if required, short press the Action trigger to return to the **Home** screen.

Step 2   Ensure that the fiber inspection tip required for the Pass/Fail application is installed on the microscope.

Step 3   Thoroughly clean the fiber connector, and mount it onto the inspection tip.

For a bulkhead connector, ensure that the connector is correctly aligned with the key on the inspection tip.

A Live view of the fiber end face appears on the **Home** screen.

Note: If **Auto-focus On Insert** is enabled, the microscope will automatically adjust the focus quality of Live view.

Step 4   Use the any of the available tools for viewing the fiber end face on the **Home** screen, and refer to the focus meter if shown (see "Navigating the Home screen" on page 3-2) to ensure that the focus quality of Live view is suitable for inspection:

- Action trigger: Short press to automatically adjust the focus quality of Live view.
- Action wheel: Rotate to manually adjust the focus quality of Live view with simplex and duplex tips.
- Magnification High/Low: See "Navigating the Home screen" on page 3-2.
- Panning: See "Navigating the Home screen" on page 3-2.

— End —

Charging the microscope battery

Step 1   Connect the USB connector of a suitable charger to the USB-C port on the microscope.

Step 2   Connect the charger to an appropriate power source.

Step 3   When the battery is charged (see "LED states" on page 2-2), disconnect the charger from the power source and then from the microscope.

Step 4   Store the charger in an accessible location.

Charging using the DC Power Jack (INX 752, 754, 762, 764)

Step 1   Connect the DC Power Supply to the DC Power Jack on the microscope.

Step 2   Connect the power supply to an appropriate power source.

Step 3   When the battery is charged (see "LED states" on page 2-2), disconnect the charger from the microscope.

Charging the slide-in battery external to the microscope (INX 752, 754, 762, 764)

Step 1   Power OFF the microscope.

Step 2   Holding the microscope securely, push the eject button on the battery case and the door will spring open.

Step 3   Pull on the Battery Tab to remove the battery.

Step 4   Ensure that the External Battery Charger is powered and plug the battery into it.

Step 5   Wait for the battery to charge before reinserting it into the microscope and securing the Battery Door.

Note: The INX-762/764/752/754 can run without a battery if a barrel jack or adequate USB power supply is used.
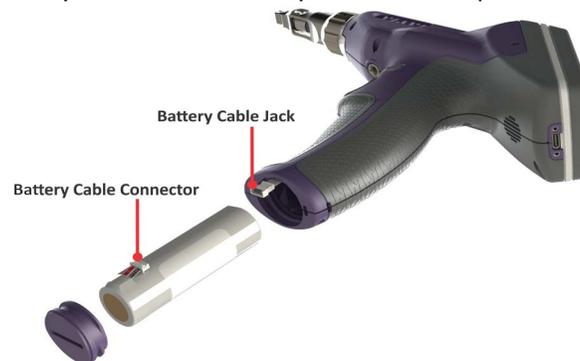
— End —

Replacing the microscope battery

Replacing the INX 750 and 760 Microscope battery

Important: Use only the VIAVI-supplied battery.

Step 1   Power OFF the microscope (see).

Step 2   Holding the microscope securely, remove the battery cover.

Step 3   Carefully slide the battery far enough out of the receptacle to disconnect the battery cable connector from the jack, and then fully remove the battery from the receptacle.

Important: Dispose of the used battery according to local requirements.

Step 4   Carefully insert the replacement battery into the receptacle, and connect the battery cable to the jack.

The microscope automatically powers ON.

Step 5   Replace and secure the battery cover. Do not overtighten the cover.

Replacing the INX 752, 754, 762, and 764 Microscope battery

Important: Use only the VIAVI-supplied battery.

Step 1   Power OFF the microscope.

Step 2   Holding the microscope securely, push the eject button on the battery case and the door will spring open.

Step 3   Pull on the Battery Tab to remove the battery.

Step 4   Insert the replacement battery and close the door.

— End —

3   Microscope settings

This section covers the following information:

Navigating the Home screen

Note: Short press the Action trigger on the microscope to return to the **Home** screen from any other screen.

Figure 3-1: Home screen
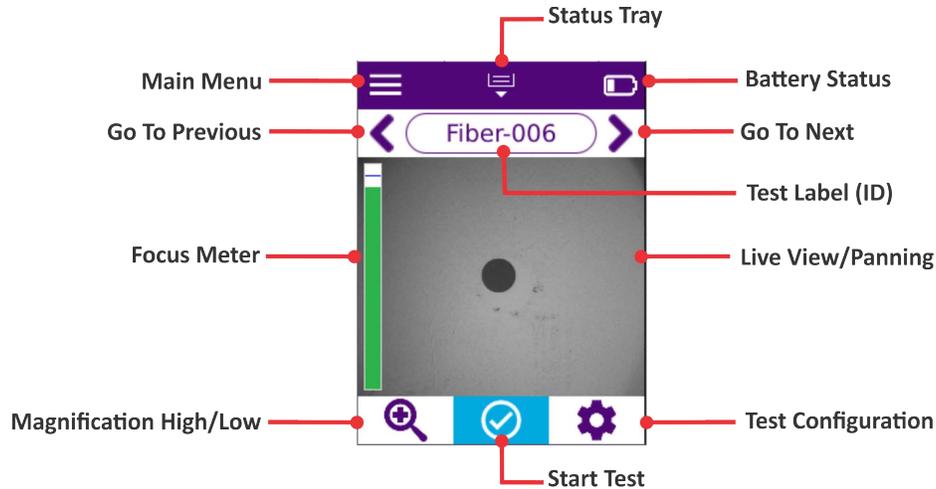
Table 3-1: Home screen menus and tools

Tool/Menu	Description
Main Menu options	Job Manager Organize and access Pass/Fail data saved the to microscope. See "Creating and managing jobs on the microscope" on page 3-5.
	Test Configuration Access test configuration settings, such type of inspection tip, optical setting for tip, and analysis profile options. See "Managing test configuration settings" on page 3-12.
	Inspection Settings See "Managing inspection settings" on page 3-15.
	System Settings Access system settings for the microscope, such as wireless connectivity, automatic power OFF options, and read-only system information. See "Managing system settings" on page 3-17.
	Help Access a QR code that provides access to the following functions: • Scan the code to access to the latest version of microscope documentation. • Tap the code to generate diagnostic files (*.diag) for troubleshooting microscope issues. The generated files are available on the VIAVI Mobile Tech app. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Table 3-1: Home screen menus and tools (continued)

Tool/Menu	Description
Status Tray	Swipe down to access the following information and tools: • Speaker: Set the speaker ON/OFF status. • Job Name: Name of the current job to which saved test results are added. • Create New Job: Select to access the **Create New Job** screen of the Job Manager. See "Creating and managing jobs on the microscope" on page 3-5 for more information. **Notes:** • You can also set the speaker ON/OFF status via the **Inspection Settings** screen. For information, see "Managing inspection settings" on page 3-15. • Swipe up to close the menu.
Battery Status	Battery status indicator **Note:** See "Managing system settings" on page 3-17 for information about accessing additional battery status information.
Go To Previous/Go To Next	Select to scroll to a test ID for the current job.
Focus Meter	Color meter that indicates whether the quality of the live fiber image is suitable for inspection. Green indicates that the focus quality is suitable for inspection; red, that the focus quality is not suitable. **Note:** By default, the focus meter is hidden. For information about showing/hiding the focus meter, see "Managing inspection settings" on page 3-15.
Live View/Panning	Live view of the fiber end face mounted on the fiber inspection tip. Tap to display the Panning tools, and then select a tool to pan to the left or right across the fiber end face. **Notes:** • Panning tools are available only while a duplex or MPO fiber connector is mounted on the inspection tip. • Tap Live view to hide the Panning tools and return to the **Home** screen.

Table 3-1: Home screen menus and tools (continued)

3-4

Tool/Menu	Description
Magnification High/Low	Select to increase/decrease magnification of the live fiber image. **Note:** Magnification tools are available only while a simplex or duplex fiber connector is mounted on the inspection tip.
Start Test	See "Pass/Fail tests and managing results" on page 4-1.
Test Configuration	Quick access to Test Configuration settings also available via the Main Menu. See "Managing test configuration settings" on page 3-12.
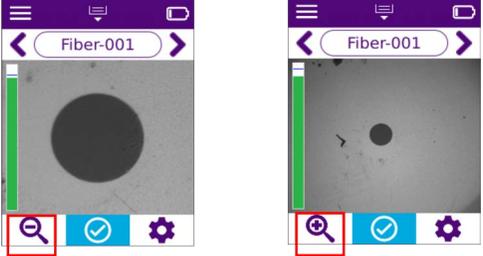
Creating and managing jobs on the microscope

The **Job Manager** tool enables you to manage Pass/Fail data that is saved to the current (active) job on the INX 700 Series microscope, facilitating access to data when required. You can create and add multiple jobs to the **Job Manager**; however, only one job can be active on the microscope at any time.

Each job created with the **Job Manager** tool on the microscope has a unique ID that is comprised of a base name and a three-digit number (for example, Job-001). Saved data is automatically added to the current job and assigned a unique test label (ID) associated with the job. The test ID is also comprised of a base name and a three-digit number (for example, Fiber-001).

Note: If the **Auto-increment** inspection setting is set to **On Save**, the test ID will automatically increment to the next available number when another set of data is saved to the same job. For more information, see "Managing inspection settings" on page 3-15.

Use the **Job Manager** tool for any of the following tasks:

- "Creating a job" on page 3-6

- "Changing the current job" on page 3-8

- "Setting the base name and number for a new job" on page 3-9

- "Deleting a job" on page 3-11

You can also add jobs to the **Job Manager** by importing job files that were exported from StrataSync™ to a USB-C thumb drive (see"Importing job files" on page 3-7). You can use and manage these jobs on the microscope as you would jobs created on the microscope.

Notes:
- For information about accessing Pass/Fail test results saved to a job, see "Accessing saved Pass/Fail data" on page 4-6.
- Jobs created with the VIAVI Mobile Tech app or deployed to the app from StrataSync can be downloaded to the INX 700 Series microscope. You can use and manage these jobs on the microscope as you would jobs created on the microscope. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Creating a job

The microscope enables you to quickly create a job that uses the same base name as the last job created. To ensure that the job ID is unique, the number of the ID is automatically incremented to the next available.

Note: Although you can use the same base name for multiple job IDs, the number assigned to it cannot be reused. Therefore, the job ID number automatically increments to the next available number when you begin creating a job that reuses a base name. For information about creating a job with a new base name, see "Setting the base name and number for a new job" on page 3-9.

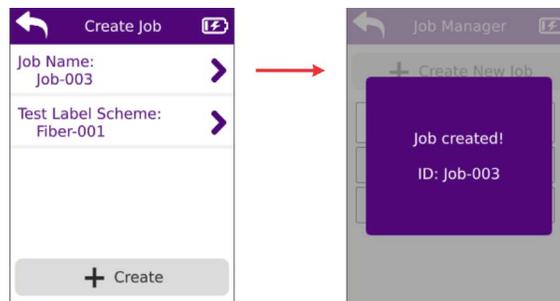Step 1.   Select **Job Manager** on the **Main Menu**, and then select **Create New Job**.

Main Menu	Job Manager
Job Manager >	+ Create New Job
Test Configuration >	✓ Job-001 >
Inspection Settings >	Job-002 >
System Settings >	
Help >	
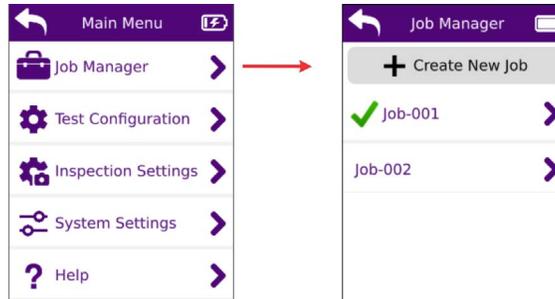
The **Job Manager** contains a list of jobs available on the microscope. The current job appears at the top of the list with a check mark beside the job ID.

Step 2.   Select **Create New Job**.

Step 3.   On the **Create Job** screen, select **Create** to create a job using the **Job Name** and **Test Label Scheme** provided by the microscope.

Create Job	Job Manager
Job Name: Job-003 >	+ Create New Job
Test Label Scheme: Fiber-001 >	**Job created!** **ID: Job-003**
+ Create	

The new job is added to the **Job Manager** and automatically set as the current job.

Step 4.   Short press the Action trigger to return to the **Home** screen.

Note: You can also access the **Create Job** screen by selecting **Start New Job** on the **Status Tray** on the **Home** screen.

— End —

Importing job files

Job files (*.json) created in StrataSync and then exported to a USB-C thumb drive can be imported to the microscope. You can use and manage these jobs on the microscope as you would jobs created on the microscope.

Notes:
- The thumb drive must be formatted as either exFAT, FAT16, or FAT32.
- The import operation will automatically import all job files available on the thumb drive.

Step 1.   Ensure that the required job files are available on the thumb drive.

Name	Date modified	Type	Size
Job-128.job.json	4/11/2024 2:51 PM	JSON File	3 KB
Job-520.job.json	4/11/2024 2:51 PM	JSON File	3 KB

Step 2.   Connect the thumb drive to the microscope.

The **USB** screen appears. When job files are available on the thumb drive, the **Job Import** option is available.

Step 3.   Select **Import**, and then select **Yes** to confirm the operation.

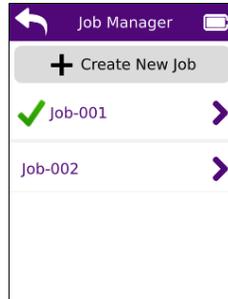Available job files are imported to the microscope and added to the **Job Manager**.

Step 4.   Access the **Job Manager** to confirm that the imported job files are available.

— End —

Changing the current job

Step 1.   Select **Job Manager** on the **Main Menu**.

On the **Job Manager** screen, the ID of the current job is indicated by a check mark and appears at the top of the list.

Step 2.   Select a job ID in the list, and then select **Select as Current Job** on the **Job Info** screen.

The **Select as Current Job** label changes to **Current Job**.
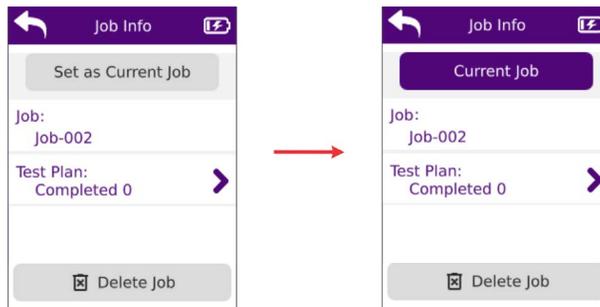
Step 3.   Select **Back** to return to the **Job Manager** screen.

The selected job ID appears at the top of the list with a check mark beside it.

Step 4.   Short press the Action trigger to return to the **Home** screen.

— End —

Setting the base name and number for a new job

Step 1.   Select **Job Manager** on the **Main Menu**, and then select **Create New Job**.

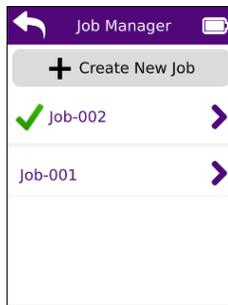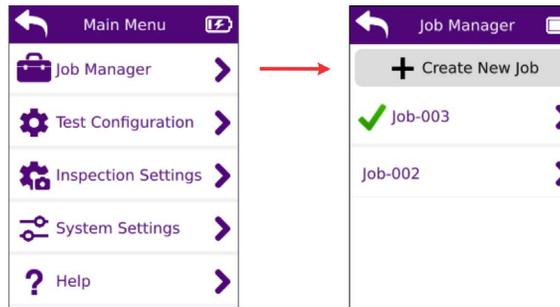Step 2.   On the **Create Job** screen, select one of the following options:

- **Job Name**

- **Test Label Scheme**
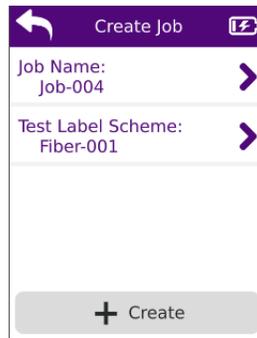
Step 3.   Do any of the following:

- Select **Base Name**, enable an option in the list of base names, and then select **Back**.

- Set the **Number** for the option by selecting **-** or **+** to scroll to an unused number.

> **Note:** The following images show the sequence for setting the job name.
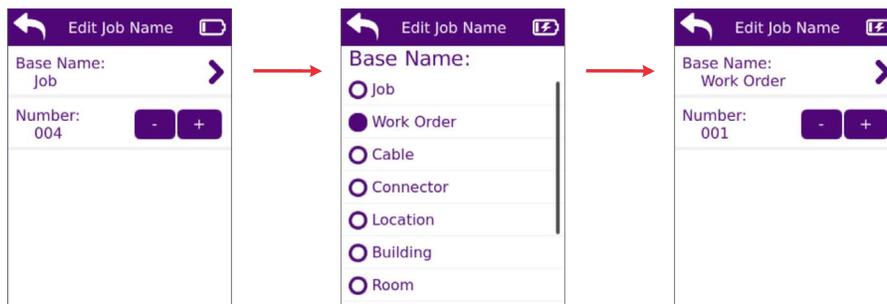
> **Note:** The message Job already exists! appears when you scroll to a number that is already in use.

Step 4. Select **Back** to return to the **Create Job** screen, and repeat Step 2 and Step 3 for the other option if required.

Step 5. Select **Create** to create the job.

The job is added to the **Job Manager** and is automatically set as the current job (as indicated by the check mark beside the job ID).

Step 6. Short press the Action trigger to return to the **Home** screen.

— End —

Deleting a job

Important: Deleting a job removes all the data it contains from the microscope. Before deleting a job, ensure that all required data has been downloaded to the VIAVI Mobile Tech app. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Step 1.   Select **Job Manager** on the **Main Menu**.

Step 2.   On the **Job Manager** screen, select a job ID in the list.

Step 3.   On the **Job Info** screen, select **Delete Job**.

<div align="center">

Job Info

Set as Current Job

Job Name:
   Job-002

Test Plan:　　　　　➤
   Completed 0

☒ Delete Job

</div>
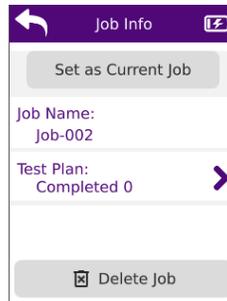
Step 4.   Click **OK** to confirm the operation and return to the **Job Manager** screen.

Step 5.   Short press the Action trigger to return to the **Home** screen.

<div align="center">— End —</div>

Managing test configuration settings

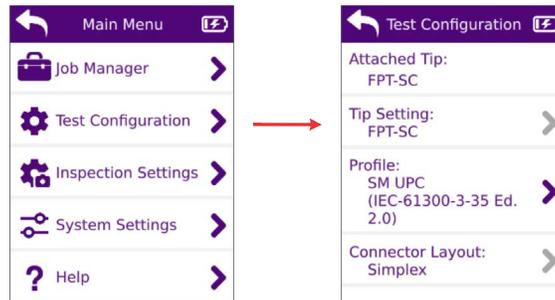- Select **Test Configuration** on the **Main Menu**.

Table 3-2: Test Configuration settings

Settings	Description
Attached Tip	Type of fiber inspection tip installed on the microscope.
Tip Setting	Optical setting for the Pass/Fail test of the fiber connector mounted on the inspection tip. The optical setting defines lighting and sizing calibration applied during inspection. **Note:** Read-only when only a single setting is available.
Profile	Access preconfigured analysis profiles available on the microscope. Profiles define the Pass/Fail thresholds for the fiber type mounted on the inspection tip. Each preconfigured profile matches the PASS/FAIL criteria of an IEC visual inspection standard; for example, IEC 61300-3-35. **Notes:** • A profile specifies the fiber type, analysis sensitivity, the zones of interest within the fiber (typically starting with the fiber core and radiating out from there) and the criteria for failure within those zones. • You can import and use custom profiles created with th FiberChekPro™ software application (see "Importing profiles" on page 3-13). • You can delete one or more profiles available on the microscope when no longer required (see "Deleting profiles" on page 3-14).
Connector Layout	Fiber type mounted on inspection tip. MPO fibers display a connector layout pictograph: • Simplex • *Type* Duplex (Where *Type* refers to the fiber type; for example LC) • MPO *CxR* (Number of fibers in columns by rows; for example 12x2) **Note:** Read-only when only single setting is available.

Importing profiles

Analysis profile files (*.pro) exported from the FiberChekPRO software application and then saved to a USB-C thumb drive can be imported to the microscope.

Notes:
- The thumb drive must be formatted as either exFAT, FAT16, or FAT32.
- The import operation will automatically import all profiles files available on the thumb drive.

Step 1.   Ensure that the required profile files are available on the thumb drive.

Step 2.   Connect the thumb drive to the microscope.

The **USB** screen appears. When profile files are available on the thumb drive, the **Profile Import** option is available.

Step 3.   Select **Profile Import**, and then select **Yes** to confirm the operation.

Available profile files are imported to the microscope and appear in the list of available profiles.

— End —

Deleting profiles

You can delete one or more profiles from the microscope when no longer required.

Note: Although multiple profiles can be deleted, by default, at least one profile must remain on the microscope.

Step 1.   Select **Test Configuration** on the **Main Menu**.
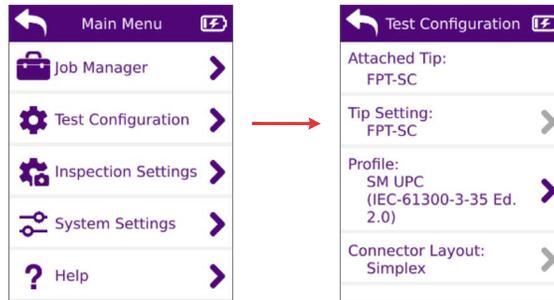
Step 2.   Select **Profile** to access the list of available profiles, and then select **Edit**.

Step 3.   On the **Edit** view, select the check box for each profile that you want to delete, and then select **Delete**.

Step 4.   Select **Yes** to confirm the operation and return to the list of available profiles.

— End —

Managing inspection settings

• Select **Inspection Settings** on the **Main Menu**.
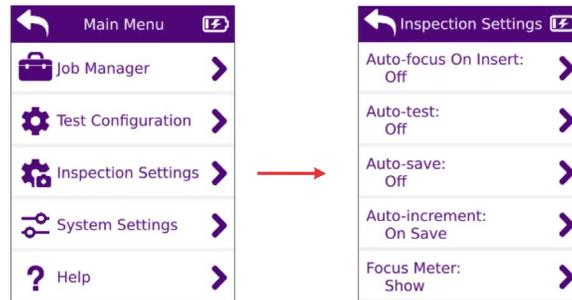
Table 3-3: Inspection settings

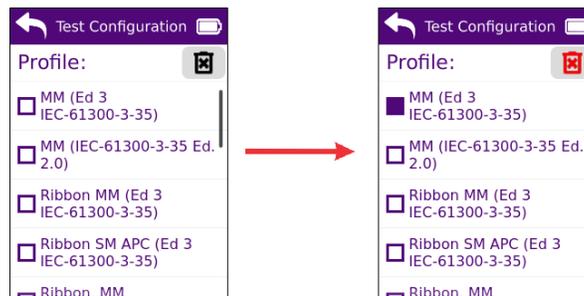| Settings	Description
Auto-focus On Insert	Automatically focus Live view when a fiber is mounted onto the fiber inspection tip. • Off • On (Default)
Auto-test	Automatically start a test when autofocus is performed. • Off • On Autofocus (Default)
Auto-save	Automatically save data when a Pass/Fail test is completed. • Off (Default) • If Pass • If Fail • Always
Auto-increment	Automatically increment the test label (ID) to the next available number on save. • Off • On Save (Default) • On Save If Pass **Note:** The Test ID label that appears on the **Home** screen shows the test ID to which test results will be assigned when saved either automatically or manually. To avoid overwriting test results already assigned to a test ID in the current job, enable the On Save option.
Focus Meter	Focus meter visibility. • Hide (Default) • Show
Advanced Settings	Advanced inspection settings: • Include Images • Image Fidelity • MPO Pan Range • Duplex Transceiver Mode

Table 3-4: Advanced Inspection Settings

Settings	Description
Include Images	Controls whether or not images are included in the saved inspection result files. • Always (Default) • If Fail • If Pass • Never
Image Fidelity	Saved image quality. • Standard Fidelity (Default) • Compatibility Mode
MPO Pan Range	• Standard (Default) • Wide

Managing system settings

• Select **System Settings** on the **Main Menu**.
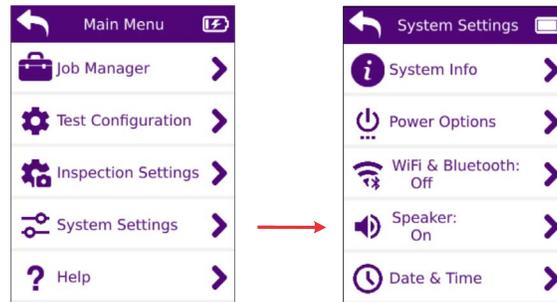
Table 3-5: System settings

Settings	Description
System Info	Software Version: Software version installed on microscope
	Serial Number: Microscope serial number
	Battery Info: • Status: Charging or Discharging • Level: Battery charge percent • Voltage: Voltage output
	Network Info • IP Address • WiFi Network Name • Bluetooth Address • MAC Address **Note:** Applies only to INX 700 Series Probe Microscopes with wireless connectivity.
	Regulatory Info: Regulatory compliance information. Tap to scroll through the available information.
	Open Source Licenses: List of OSS licenses
Power Options	Set power options for Auto Off, Auto Sleep, and Auto Screen Dim settings: • No • 1 min • 5 min (Default) • 10 min • 30 min
WiFi & Bluetooth **Note:** Applies only to INX 700 Series Probe Microscopes with wireless connectivity,	Wireless connectivity status: • Off (Default) • On
Speaker	Speaker status: • Off • On (Default; sound emitted when Pass/Fail test passes or fails.)

Table 3-5: System settings (continued)

Settings	Description
Date & Time	System time and date settings: • System Time • Date Format • Time Format
Language	System language options: • English • Portuguese • Spanish • French • German • Simplified Chinese • Japanese
Options	Status of available options for the microscope: • Multifiber: Enabled/Disabled • Bluetooth & WiFi: Upgradeable **Note:** Applies only to INX 700 Series Probe Microscopes with wireless connectivity. • SmartAccess Anywhere: Enabled/Disabled • Simplex: Enabled/Disabled
Factory Reset	Perform a factory reset, which deletes all user data and settings available on the microscope. **Important:** Ensure that all required data saved to the microscope is uploaded to the VIAVI Mobile Tech App before performing a factory reset. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Updating the microscope software locally

You can update the microscope software locally by downloading the required software file from inx700.updatemyunit.net to a USB-C thumb drive and then connecting the thumb drive to the microscope.

Important: You can use the VIAVI Mobile Tech app to update the software on INX 700 Series microscopes that support wireless connectivity. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Notes:
- The software file is a compressed file (*.zip). Do not extract the file.
- The thumb drive must be formatted as either exFAT, FAT16, or FAT32.

Step 1.   Ensure that the required software file is available on the thumb drive.

Step 2.   Connect the thumb drive to the microscope.

The **USB** screen appears. When a software file is available on the thumb drive, the **Software Update** option (and the version number of the firmware) is available.

Step 3.   Select **Update**, and then select **Yes** to confirm the operation.

The software update initiates. When the update is completed, a message appears to indicate that the operation was successful.

The microscope automatically powers OFF and then powers ON.

Step 4.   Access **Systems Info** settings to confirm the software version (see "Managing system settings" on page 3-17).

— End —

4   Pass/Fail tests and managing results

This section covers the following information:

- "Requirements for a Pass/Fail test" on page 4-2

- "Starting a Pass/Fail test" on page 4-3

- "Working with Pass/Fail test results" on page 4-4

Requirements for a Pass/Fail test

Pass/Fail tests inspect fiber connectors against preconfigured pass criteria for the active analysis profile. For information about profiles, see "Managing test configuration settings" on page 3-12.

Note: A Pass or Fail result applies to the entire connector. This means that if only one fiber in the array of a duplex or MPO connector fails to meet the preconfigured pass criteria, the test will return a Fail result for the entire connector. To achieve a Pass result, every fiber in the array must meet the pass criteria.

Table 4-1: Before you begin a Pass/Fail test

| Ensure that...	See...
The correct fiber inspection tip for the test is properly installed on the microscope.	"Installing a fiber inspection tip" on page 2-6
The required fiber adapter is installed on the inspection tip and a clean fiber connector is mounted on the adapter.	"Mounting a fiber connector" on page 2-8
The analysis profile and tip settings are suitable for the Pass/Fail test.	"Managing test configuration settings" on page 3-12
The live image of the fiber end face is suitable for testing.	• "Mounting a fiber connector" on page 2-8 • "Navigating the Home screen" on page 3-2
The required inspection settings are enabled.	"Managing inspection settings" on page 3-15
The job where test results must be saved is set as the current job.	• "Navigating the Home screen" on page 3-2 • "Creating and managing jobs on the microscope" on page 3-5

Starting a Pass/Fail test

Step 1. Review .

> **Note:** For MDC-A testing, reference the FPT-MDC-A Inspection Tip Instructions App Note available at https://www.viavisolutions.com/en-us/literature/fpt-mdc-inspection-tip-instructions-application-notes-en.pdf

Step 2. Select **Start Test** on the Home screen, or long press the Action trigger.

The purple circulating LED lights while the test is performed. When the test is completed, the pass or fail message is briefly displayed, followed by the Inspected view of the fiber end face.
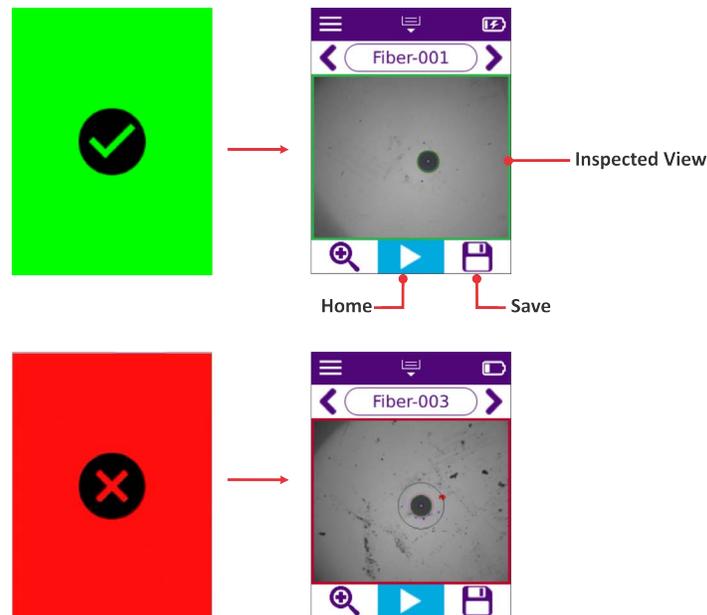
> **Note:** If the **Auto-save** inspection setting is set to **If Pass** or **Always**, the test results are automatically saved to the current job, based on the enabled setting. The **Save** tool becomes unavailable after results are saved.

Step 3. Do any of the following:

- Use the **Magnification High/Low** tool to increase or decrease magnification of the fiber end face.

- Access analysis tools for the test result. See .

- Select **Save** (if required) to save the test results for later analysis.

- Select **Go To Previous** or **Go To Next** to scroll to the test ID for another tested fiber connector.

> **Note:** If there are no test results assigned to the next test ID scrolled to, the **Home** screen automatically displays.

- Select **Home** to return to the **Home** screen.

— End —

Working with Pass/Fail test results

You can access test data and available analysis tools immediately after a Pass/Fail test for any type of fiber connector.

Note: If the test results are saved, they can be recalled at a later time for analysis. See "Accessing saved Pass/Fail data" on page 4-6.

Navigating Simplex connector test results

- Tap Inspected view to access analysis tools.
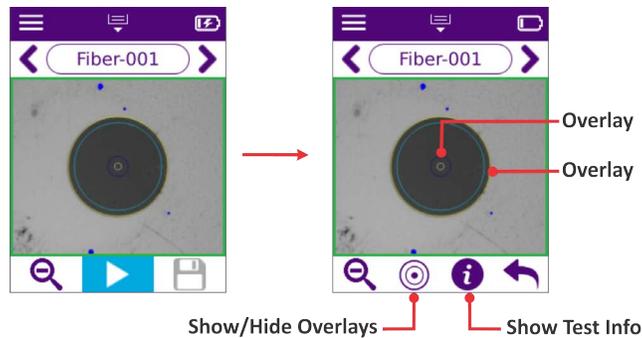
Overlays

Overlays on the captured image denote the fiber core diameter and the zones on the fiber end face as specified in the analysis profile used for the Pass/Fail test.

Overlays are displayed by default in Inspected view; however, you can show or hide them as needed by selecting **Show/Hide Overlays**.

Test Info

Step 1.   Select **Show Test Info** to access details of the Pass/Fail test, including Pass/Fail results per zone. Scroll to view all the information provided.
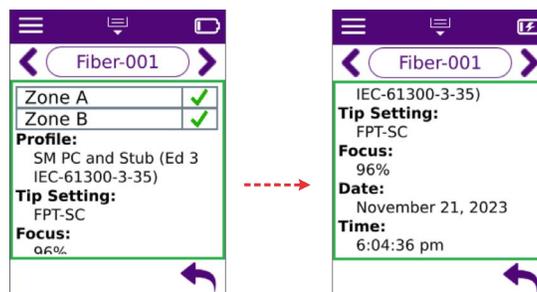
Step 2.   Optionally, select **Go To Previous** or **Go To Next** to scroll to the test ID for another tested fiber connector and view its test data.

Note: If there are no test results assigned to the next test ID scrolled to, the **Home** screen automatically displays.

Step 3.   Select **Back** to return to return to the previous screen.

— End —

Navigating Multifiber connector test results

Inspected view for an Multifiber connector shows the fiber array and the Pass/Fail results for each fiber in the array. For example, the Multifiber connector shown in Figure 4-1 contains 12 fibers, and the pass/fail array shows that all fibers met the pass criteria (green).
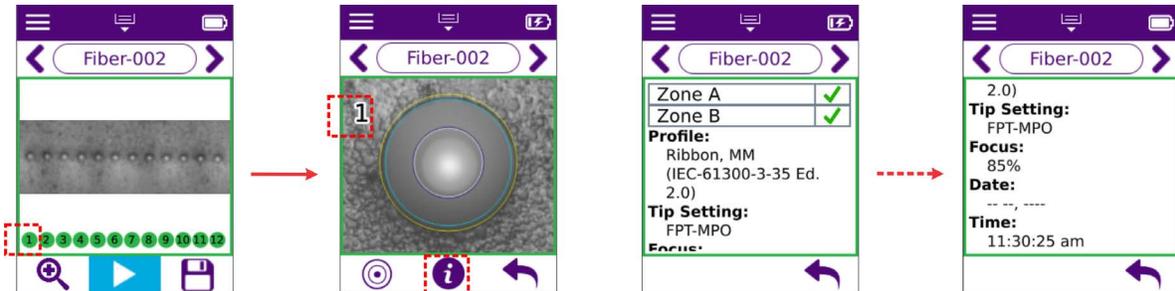
To increase the magnification of Inspected view, tap the touchscreen or use the **Increase/Decrease Magnification** tool. To access the analysis tools (**Show/Hide Overlays**, **Show Test Info**) for a fiber, select a fiber number in the pass/fail array.

Figure 4-1: Multifiber connector - Inspected view and test data for an individual fiber

Navigating duplex fiber connector test results

Inspected view for a duplex fiber connector shows the left and right fibers and the Pass/Fail results for each fiber. For example, the left (L) and right (R) fibers in the duplex fiber connector shown in Figure 4-2 failed to meet all the pass criteria (red).

To access the analysis tools (**Show/Hide Overlays**, **Show Test Info**) for an individual fiber, tap the desired fiber.

Figure 4-2: Duplex fiber connector - Inspected view and test data for individual fiber
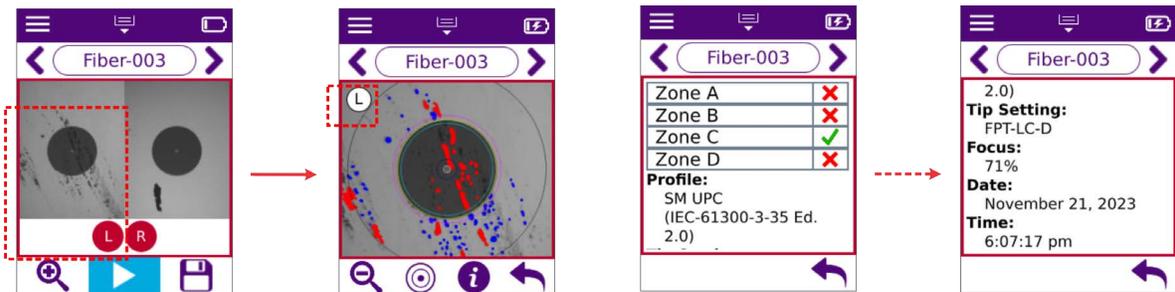
— End —

Accessing saved Pass/Fail data

Step 1. Select **Job Manager** on the **Main Menu**.

Step 2. On the **Job Manager** screen, select a job ID in list.

The **Job Info** screen appears, indicating the number of Pass/Fail tests completed and saved to the job ID.
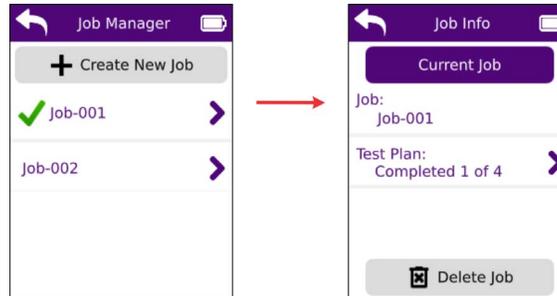
Step 3. If completed tests are available, select **Test Plan**, and then select a test ID in the list.

The Inspected view for the test appears. For more information, see "Working with Pass/Fail test results" on page 4-4.

Step 4. Optionally, select **Go To Previous** or **Go To Next** to scroll to the test ID for another tested fiber connector and view its test data.

Note: If there are no test results assigned to the next test ID scrolled to, the **Home** screen automatically displays.

Step 5. Short press the Action trigger to return to the **Home** screen.

— End —

Exporting saved test results

You can export saved test results to a USB-C thumb drive.

Important: You can use the VIAVI Mobile Tech app to export and share test results saved to an INX 700 Series microscope that supports wireless connectivity. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Notes:
- The thumb drive must be formatted as either exFAT, FAT16, or FAT32.
- The export operation will automatically export all test results saved to the microscope.

Step 1.   Connect the thumb drive to the microscope.

The **USB** screen appears. When saved test tests are available on the microscope, the **Results Export** option is available.

Step 2.   Select **Export**, and then select **Yes** to confirm the operation.

Saved test results are exported to the thumb drive.

Step 3.   Disconnect the thumb drive, and then access it on a PC to confirm that the results have been exported.

The export operation automatically adds one folder for each job that contains saved test results to the root of the thumb drive. Each folder contains one file (*.json) for each saved test result and a job report file.
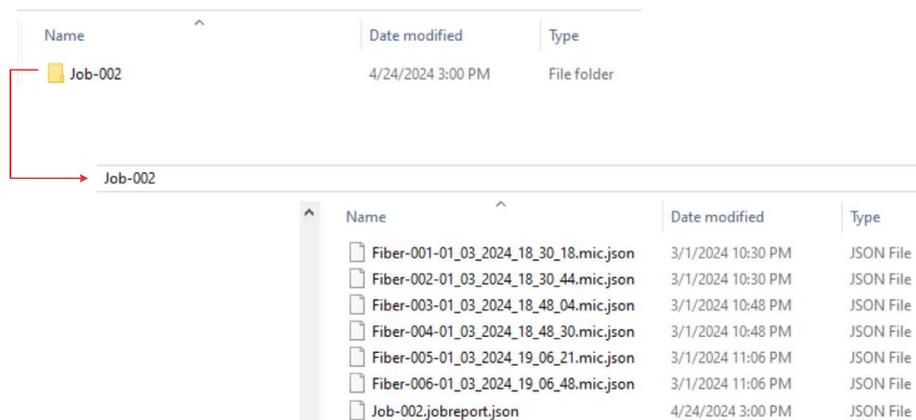
— End —

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5 Troubleshooting

This section provides factory reset instructions, diagnostics access instructions, basic troubleshooting information, and popup resolution information.

For technical assistance, contact the technical assistance center at 1-844-GO-VIAVI / 1-844-468-4284.

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How to Factory Reset your INX Probe Microscope

Step 1. Access the Main Menu by selecting the menu button at the top left of the Live Fiber View screen.

Step 2. Select the option for System Settings.

Step 3. Select the option for Factory Reset, there will be a popup asking you to confirm the Factory Reset. Select Yes.

Step 4. All user data, settings, and time will be removed or reset.

Step 5. The device will restart, displaying the VIAVI logo.

Generating and exporting diagnostics

Important: You can use the VIAVI Mobile Tech app to export and share diagnostics saved to an INX 700 Series microscope that supports wireless connectivity. For information, refer to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265 (see "About this guide" on page v).

Generating diagnostics

Step 1.   Access the Menu by selecting the Menu button at the top left of the Live Fiber View screen and select the Help menu option.

Step 2.   Access the Diagnostics Menu by selecting the Diagnostics option below the QR code.

Step 3.   From this menu, you can choose to either generate new diagnostics or delete any existing diagnostics files from your device, select Generate Diagnostics.

Step 4.   Your device will display a spinner while the diagnostic is generated. The spinner will automatically dismiss when done generating and return to the diagnostics page.

Exporting diagnostics via USB-C drive

Step 1.   Follow the above instructions to generate an up-to-date diagnostics file onto your device.

Step 2.   Insert a USB-C flash drive into the port and wait for the USB Menu to appear. This may take a few moments.

Step 3.   If there are diagnostic files available on your device, a Diagnostics Export option will be shown. Select this option and confirm the popup to export all available diagnostic files onto the connected USB-C flash drive.

Step 4.   Wait for the popup to clear before removing the drive from the microscope.

— End —

Troubleshooting information

Table 5-1: Basic Troubleshooting Steps

Problem	Notes	Solution
Device fails to start Possible symptoms: • Device will not power on • Device powers on to a white screen • Device powers on to a white screen with a VIAVI logo and reboots • Device is caught in a boot loop and continues to restart	• Most of the RMA INXs that have been returned for R&D have been recovered by charging them overnight. • Always power off the device for overnight charges. Please ensure the INX is powered off when charging units that are being debugged.	**24 hour charge** 1. Plug in the device to a USB power supply 2. Ensure the device is off, the charging LED must be a solid amber or green Note: If the LED is flickering to blue, the device must be force-shutdown by pressing the power button until the LED remains solid amber. 3. Charge the device overnight 4. boot the device and see if the issue has resolved **Complete Power System Reset** 1. Unplug USB power and ensure device has been powered down by holding the power button for 5 second 2. Remove the battery cap, unplug the battery 3. After waiting one minute, plug the battery back in 4. Replace the battery cap 5. The system may need to be charged after this, plug USB power back in Note: System time will be reset after this and will need to be set from the System Setting menu on the device.

Table 5-1: Basic Troubleshooting Steps

Problem	Notes	Solution
Charging LED solid amber or blinking green and amber after overnight charge INX starts to boot as soon as power is applied (unable to boot otherwise)	• Attempt overnight charge first. • This could indicate that the battery connection is poor.	**Complete Power System Reset** 1. Unplug USB power and ensure device has been powered down by holding the power button for 5 second 2. Remove the battery cap, unplug the battery 3. After waiting one minute, plug the battery back in 4. Replace the battery cap 5. The system may need to be charged after this, plug USB power back in Note: System time will be reset after this and will need to be set from the System Setting menu on the device.
Device boots to Low Battery icon and shuts down	• Battery below 3.5V shows this screen. Device needs to be charged above this to work.	**Charge Device** 1. Battery is too low for the device to start. Please charge until the charging LED is solid green.
Stuck power button	• Stuck power button can cause several issues. Ensure power button is not stuck when troubleshooting power and boot related issues.	**Power button care** 1. Make sure that the power button is not stuck and has good movement and tactile feel 2. If stuck, clear any debris that may be lodging it and wiggle it left, right, up, and down. A small tool or fingernail can be used to potentially dislodge the button by pulling it towards the direction of the display
Unable to boot with error message "Oops ... this device has stopped working. Please restart"	• This will delete saved results and revert setting to default. • There are no requirements for special files on the thumb drive, just formatting. • This problem may be resolved with a restart of the device, if the problem persists attempt recovery with USB drive.	**Recovery with USB drive** 1. Insert a USB C flash drive that has been formatted as FAT32 into the INX 2. A button labeled "Factory Reset" will show up, select this to perform the recovery

Table 5-1: Basic Troubleshooting Steps

Problem	Notes	Solution
Wireless connection to VIAVI Mobile Tech App fails	• This is usually due to the date-time being out of sync with reality. If it is more than a few months out of date, Wi-Fi connections will not work. • This can also be due to app permissions not being set. • In rare occasions, a power system reset is needed to recover the radio.	**Ensure application has adequate permissions** 1. On android, ensure Wi-Fi is turned on in the system menu 2. On IOS, navigate to the Mobile Tech App in the "Settings" app and ensure all permissions are enabled, especially the local network option **Ensure the system time is set correctly** 1. Check the system time in Menu > System Settings > Date & Time 2. If the time is incorrect, select the System Time option and set the correct time 3. Re-try Wi-Fi connection **Complete Power System Reset** 1. Unplug USB power and ensure device has been powered down by holding the power button for 5 second 2. Remove the battery cap, unplug the battery 3. After waiting one minute, plug the battery back in 4. Replace the battery cap 5. The system may need to be charged after this, plug USB power back in Note: System time will be reset after this and will need to be set from the System Setting menu on the device.

Table 5-2: Resolving Popup Messages

Popup Message	Notes	Resolution
System error <code>. Power cycle the microscope. System error MR131. Power cycle the microscope.	• Error popup message.	**Power Cycle Device** 1. Hold power button until device shuts off fully 2. Firmly press power button to restart device 3. Popup should be cleared upon restart
Required tip <name> not attached. Attach required tip.	• Informational popup message. • Occurs when the active Tip Setting does not match the attached tip in Test Configuration Settings.	**Attach Required Tip** 1. Reference the popup message or the Tip Setting in the Test Configuration menu to determine which tip is needed for the desired test. 2. You can also change the Tip Setting in the Test configuration menu, or power cycle your device if the message persists with the correct tip attached.
Automated configuration failed. Manually set the test configuration. Configuration mismatch. Verify the test configuration.	• Informational.	**Setting Test Configuration** 1. Access the Test Configuration screen from the settings gear on the live fiber view screen or from the Main Menu 2. Confirm that the selected options are compatible with the attached tip and desired test
Tip requires software x.x or higher. Update software.	• Informational. • Occurs when a tip is attached that is only supported by newer software.	**Perform Software Update** 1. Reference the INX series User Guide for information on updating your microscopes software locally
Simplex test option missing. Install the option.	• Informational, options related.	**Install the Simplex Option and try again**
Multifiber test option missing. Install the option.	• Informational, options related.	**Install the Multifiber Option and try again**

Table 5-2: Resolving Popup Messages

Popup Message	Notes	Resolution
Tip communication failed. Reattach tip.	• Informational.	**Reattach Tip.** 1. Unscrew inspection tip from your device 2. Reattach inspection tip carefully making sure that the connections are fully seated 3. Ensure that there is no corrosion or debris on the device side or tip side of the connector 4. Try rotating the tip 180 degrees to use the other tip connector
Auto-focus failed. Fully insert the tip or attach a connector.	• informational. • Occurs when a test fails due to initial poor image focus while auto-focus is being used. • Can also occur when using a tip that is incorrect for the tested fiber, such as when attempting to test an angled fiber with a direct view tip.	**Attach a connector** 1. Ensure that you are using the correct connector or coupler for the attached tip and the fiber you are testing. There should be a precise fit from the tip to the connector to the fiber. **Reinsert Tip** 1. Re-seat the tip in the connection. 2. Ensure that the tip has been fully inserted into the connector on the fiber that you are testing.
Inspection failed. Retry.	• Informational.	**Retry Test**
Delete job and saved results? No, Yes.	• Warning. • Occurs when the Delete Job option is selected from the Job Info screen in the Job Manager.	**Select Option**
All user data will be deleted and settings set to defaults. The microscope will restart. Continue? No, Yes.	• Warning. • Occurs when the Factory Reset option is selected in the System Settings Menu.	**Select Option** 1. Selecting Yes will cause your device to restart automatically while it clears data
Power cycle the microscope to apply new language.	• Informational. • Occurs when a new language option is selected in the System Settings Menu.	**Power Cycle Device** 1. Hold power button until device shuts off fully 2. Firmly press power button to restart device 3. Language should be set upon restart

Table 5-2: Resolving Popup Messages

Popup Message	Notes	Resolution
Inspection failed. Remove the tip, rotate it, reattach, and try again	• Informational. • Occurs when the tip is mounted in the wrong orientation.	**Rotate Tip** 1. Remove the inspection tip from the device 2. Rotate the tip 180 degrees, to where it is facing the opposite orientation of its original position 3. Reattach tip in the new orientation, making sure that the connections are fully seated

Appendix A   Regulatory compliance

This section covers the following information:

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California Proposition 65

California Proposition 65, officially known as the Safe Drinking Water and Toxic Enforcement Act of 1986, was enacted in November 1986 with the aim of protecting individuals in the state of California and the state's drinking water and environment from excessive exposure to chemicals known to the state to cause cancer, birth defects or other reproductive harm.

For the VIAVI position statement on the use of Proposition 65 chemicals in VIAVI products, see the **Hazardous Substance Control** section of the VIAVI Policies & Standards web page.

Federal Communications Commission (FCC)

When configured with wireless connectivity, this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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/TV technician for help.

The authority to operate this product is conditioned by the requirements that no modifications be made to the equipment unless the changes or modifications are expressly approved by VIAVI.

When configured with wireless connectivity, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

When configured with wireless connectivity, this product complies with 47 CFR Part 15 through use of a modular component authorized under a grant of certification: FCC ID: WUW-LWBPLUS.

⚠	**CAUTION: RF Radiation Exposure** • This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. • This transmitter must not be collocated or operated with any other antenna or transmitter.

Innovation, Science and Economic Development Canada

This Class B digital apparatus complies with Canadian ICES-003.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage,

2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

When configured with wireless connectivity, this product complies with relevant ISED Canada Radio Standard Specifications (RSS) through use of the following modular component authorized under a grant of certification: IC: 9613A-LWBPLUS.

Lorsqu'il est configuré avec connectivité sans fil, ce produit est conforme aux spécifications des normes radioélectriques (RSS) pertinentes d'ISDE Canada grâce à l'utilisation du composant modulaire suivant autorisé en vertu de une délivrance de certification: IC: 9613A-LWBPLUS.

⚠	**CAUTION: RF Radiation Exposure** • This equipment complies with ISED Canada radiation exposure limits set forth for an uncontrolled environment. • To comply with Canadian RF exposure requirements, this device and its antenna must not be collocated or operated in conjunction with any other antenna or transmitter. **ATTENTION: Exposition aux rayonnements RF** • Cet équipement est conforme aux limites d'exposition aux rayonnements RF d'ISDE Canada établies pour un environnement non contrôlé. • Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas étre co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

Korea Communications Commission

Korea Communications Commission (KCC)
이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파 간섭의 우려가 있습니다

Product Environmental Compliance

VIAVI is committed to compliance with all applicable laws and regulations controlling the use of hazardous substances in its products, as well as the disposal of equipment (including batteries) and waste packaging. For details, see the VIAVI Policies & Standards web page or contact the VIAVI WEEE Program Management team at Global.WEEE@ViaviSolutions.com.

EU REACH

Article 33 of EU REACH regulation (EC) No 1907/2006 requires product suppliers to provide information when a substance included in the list of Substances of Very High Concern (SVHC) is present in an product above a certain threshold. For information about the presence of REACH SVHC in VIAVI products, see the **Hazardous Substance Control** section of the VIAVI Policies & Standards web page.

EU Declaration of Conformity

EU manufacturer Declaration of Conformity is shipped with the product and is also available on request.

EU Radio Equipment Directive

In accordance with Article 10.8 of the EU Radio Equipment Directive 2014/53/EU, the following table provides information on the frequency bands and the maximum RF transmit power of this product for sale in the EU.

Frequency Range (MHz)	Channels Used	Maximum Transmit Power (dBm)
2400-2483.5	1 to 13	19.98

When configured with wireless connectivity, this device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in Italy and France where restrictive use applies.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.

When configured with wireless connectivity, this device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 to 2483.5 MHz. For detailed information, the end-user should contact the national spectrum authority in France.

Additional standards compliance

The equipment meets the following standards and requirements:

- Installation Category (Over voltage Category) II under IEC 60664-1
- Pollution Degree 2 Category under IEC 61010-1 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use

China RoHS materials declaration

The China RoHS materials declaration is shipped with the product and is also available on request.

Appendix B   User Guide revision history

Revision	Date	Details
R006	November 2025	• Updated sections: "Series Introduction", "Getting Started" and "Microscope Operation". • Added chapter "Troubleshooting"
R005	July 2025	Updated section "Managing inspection settings"
R004	June 2025	Updated section "Managing inspection settings"
R003	January 2025	• Updated touchscreen images, tables, and related procedures throughout to reflect changes to the local graphical user interface and new functionality. • Changed document name to INX™ 700 Series Probe Microscope User Guide • Modified contents to reflect use of either the INX 760 or INX 750 Probe Microscope • Coverage of VIAVI Mobile Tech App moved to *Using the VIAVI Mobile Tech App with INX Series Probe Microscopes*, 22185265
002	June 2024	Updated the section "LED states"

001	April 2024	• Added the following sections:
		  • "Importing job files"
		  • "Exporting saved test results"
		  • "Updating the INX 760 microscope software locally"
		• Updated the following sections:
		  • "INX 760 microscope Home screen menus and tools"
		  • "INX 760 microscope System settings"
		  • "Mounting a fiber connector"
		  • "Pass/Fail test results for MPO and duplex fiber connectors"
		  • "INX 760 Files"

000	December 2023	This document is released.

VIAVI

INX™ 700 Series Probe Microscope

User Guide
22174569 R006, Standard
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English

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