



INX 700 Series Probe Microscope 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.



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.

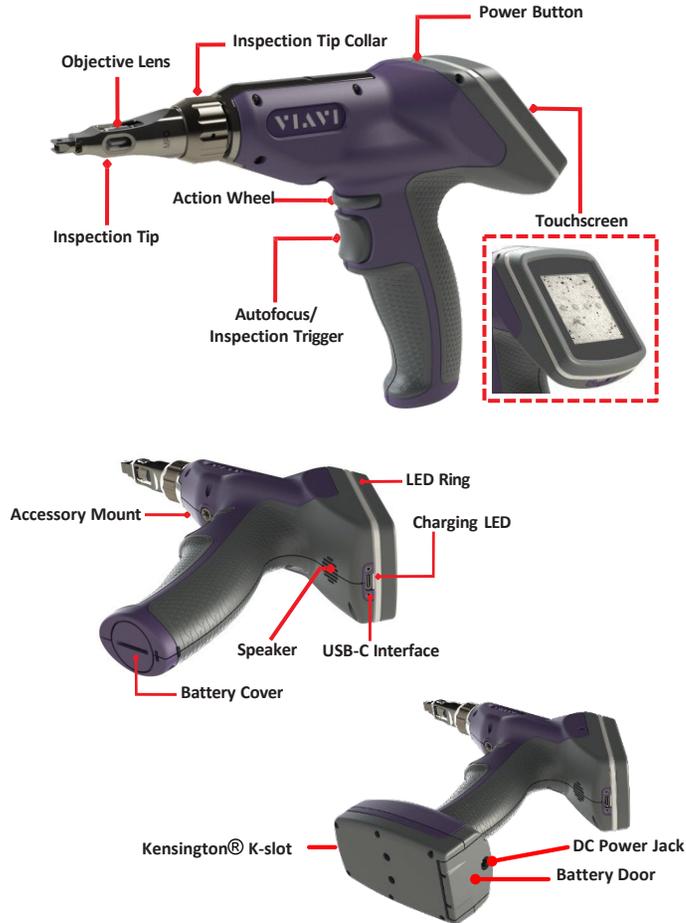
AVERTISSEMENT

- 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.

Technical Assistance Center and Knowledge Base

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

INX 700 Series Probe Microscope features



LED states

State	LED Ring	Charging LED
Off	<ul style="list-style-type: none"> Microscope powered OFF Microscope powered ON, no test in progress 	<ul style="list-style-type: none"> 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)

Powering the microscope ON

- Press and hold the **Power** button for two (2) seconds:
 - Touchscreen lights, and start-up screen appears.
 - The charging LED lights blue.
 - The **Home** screen appears on the touchscreen.
 The following image shows the state of the **Home** screen while an inspection tip is installed on the microscope but no fiber is connected to the tip.



- While an inspection tip is installed on the microscope, the fiber illumination LED emits a blue light from the end of the objective lens.

Powering the microscope OFF

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

Setting the system date and time

- Power ON the microscope.
- On the **Home** screen, select the **Main Menu**, select **System Settings**, and then select **Date & Time**.



- On the **Date & Time** screen, use the controls to set the date and time options for the microscope, and then select **OK**.



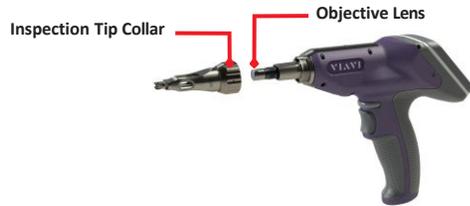
Changing the system language

By default, the system language is set to English. Portuguese, Spanish, French, German, Simplified Chinese, and Japanese are also supported.

- On the **Home** screen, select the **Main Menu**, select **System Settings**, and then select **Language**.
- On the **Language** screen, select a language setng.
- Power the microscope OFF and then ON to apply the new language setng.

Changing the inspection tip

- Remove the inspection tip installed on the microscope:
 - Holding the microscope securely, rotate the inspection tip collar to fully loosen it.
 - Carefully pull the tip away from the microscope, ensuring that it does not come into contact with the objective lens.



- Install the safety cap at the back of the inspection tip, and store the tip in an accessible location.



- 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 tools are disabled.



- Install the required inspection tip:

- If present, carefully loosen and remove the inspection tip cap cover from back of the tip, and place it in a dust-free container.
- Carefully position the tip onto the microscope, ensuring that it does not come into contact with the objective lens.
- 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.

- 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.
- The fiber illumination LED turns on.

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.



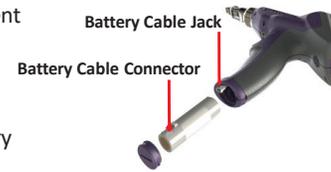
Charging the INX 700 Series microscope battery

- Connect the USB connector of a suitable charger to the USB-C interface on the microscope.
- Connect the charger to an appropriate power source. While the microscope is powered ON, the charging LED on the microscope lights blue, and the battery indicator on the **Home** screen shows that the battery is charging.
- When the battery is charged, disconnect the charger from the power source and then from the microscope.
- Store the charger in an accessible location.

Replacing the INX 750 and 760 microscope battery

Important: Use only VIAVI-supplied batteries intended for the INX 700 Series microscope you are using.

- Power OFF the microscope.
- Holding the microscope securely, remove the battery cover.
- Carefully slide the battery far enough of the receptacle to disconnect the battery cable connector from the jack, and then fully remove the battery from the receptacle.
- Carefully insert the replacement battery into the receptacle, and connect the battery cable connector to the jack.
- Replace and secure the battery cover. Do not overtighten the cover.



Replacing the INX 752, 754, 762 & 764 microscope battery

Important: Use only the VIAVI-supplied batteries intended for the INX 700 Series microscope you are using.

- Power OFF the microscope.
- Holding the microscope securely, push the eject button on the battery case and the door will spring open.
- Pull on the battery tab to remove the battery.
- Insert the replacement battery and close the battery door.



Accessing INX 700 Series documentation

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
- INX 700 Series Microscope Software
- Using the VIAVI Mobile Tech App with INX Series Probe Microscope Quick Start Guide
- ReportPRO Software
- FiberCheckULTRA Software



Specifications

Display	320 x 240-pixel (2.4") IPS color backlit touchscreen
Status indicators	<ul style="list-style-type: none"> LED Ring Speaker
Power supply	5V/2.1A USB AC adapter USB-C PD Adapter up to 45W
Battery (field replaceable)	<ul style="list-style-type: none"> Li-ion 18.15Wh (750 & 760) Li-ion 24.12Wh (752 & 762) Li-ion 49.7Wh (754 & 764)
Charging modes	<ul style="list-style-type: none"> USB2.0 in 500mA and 1.5A modes USB-C PD, 500mA, 1.5A, and 3A modes DC Barrel Jack
USB Port	1x USB-C
Wireless connectivity	Singleband 2.4 GHz <ul style="list-style-type: none"> Bluetooth® 5.2 BLE Wi-Fi 802.11b/g/n Note: INX Probe Microscopes with wireless connectivity only
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)	<ul style="list-style-type: none"> 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)	500g (INX 750 & 760) 850g (INX 752 & 762) 1005g (INX 754 & 764)
Inspection tips	Simplex, Duplex, or Multifiber; stainless steel with threaded mounting nut; integrated auto-identification technology; tether point (lanyard sold separately)

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