



Quick Reference Guide

OV350-MPO

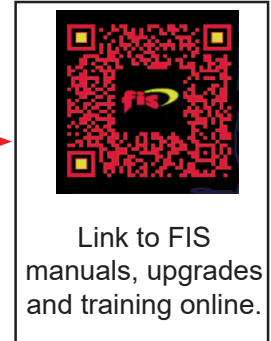
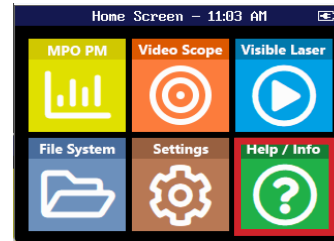
Rev. D 12/2025



Power Up

Press the  button to power on the both PM & LS, the home screen will be displayed.

- The home screen provides access to the Power Meter, Light Source, and Video Scope modules.
- Tap the Visible Laser icon to switch between CW, Modulated, or Off.
- Use File Management to view, transfer, or organize saved files.
- Settings lets you adjust date, time, and MPO/ORL pass-fail ranges.
- Help links to FIS manuals, updates, and training resources.



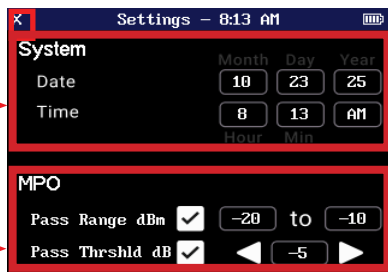
Link to FIS manuals, upgrades and training online.

Setting Screen

Settings icon to open the settings screen.

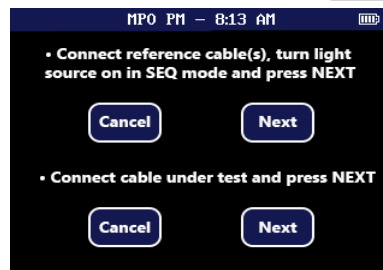
Date and Time Settings

Pass Range Settings



Cable Test Screen

Home Screen --> MPO PM icon --> Select "Zero Ref" to begin test.



Setup

Follow the steps below for initial setup and periodic adjustments

- From the Home screen or the Power Meter menu screen, select the Settings icon to enter the settings screen.
- Set the date and time for accurate time stamps on saved files.
- Depending on the unit; PM or LS, either the MPO or ORL pass ranges may be set as well as a check box to either indicate the pass range in green on the display or not. To set the pass/fail range, long touch the values to cycle to the desired value.
- When finished, select the Exit icon in the top left of the display.

Light Source Operation Screen

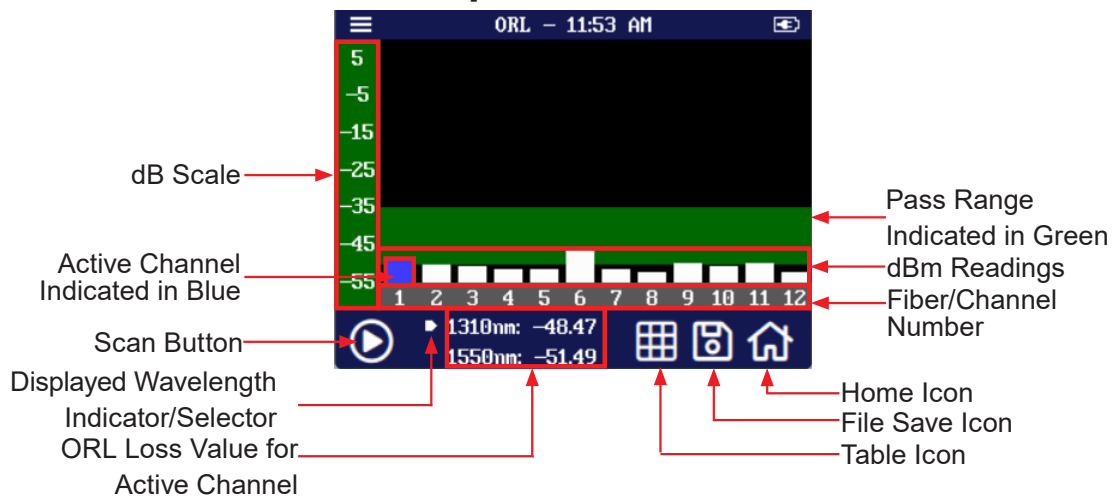
Labels for the MPO Light Source screen:

- Wavelength Selectors: λ : 1310nm, 1550nm, VFL
- Laser Mode Selector: MAN CW, MODE, PREV CH, NEXT CH
- Active Channel Indicator in Grey: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
- Video Probe Selector: 0_{R_L}
- Battery Charge Indicator
- Laser Activity Indicator
- Laser Power On/OFF Selector: LASER ON/OFF
- Manual Channel Selector
- Channel Indicator
- Home Screen Icon
- Help Info

Light Source Menu Icon Functions

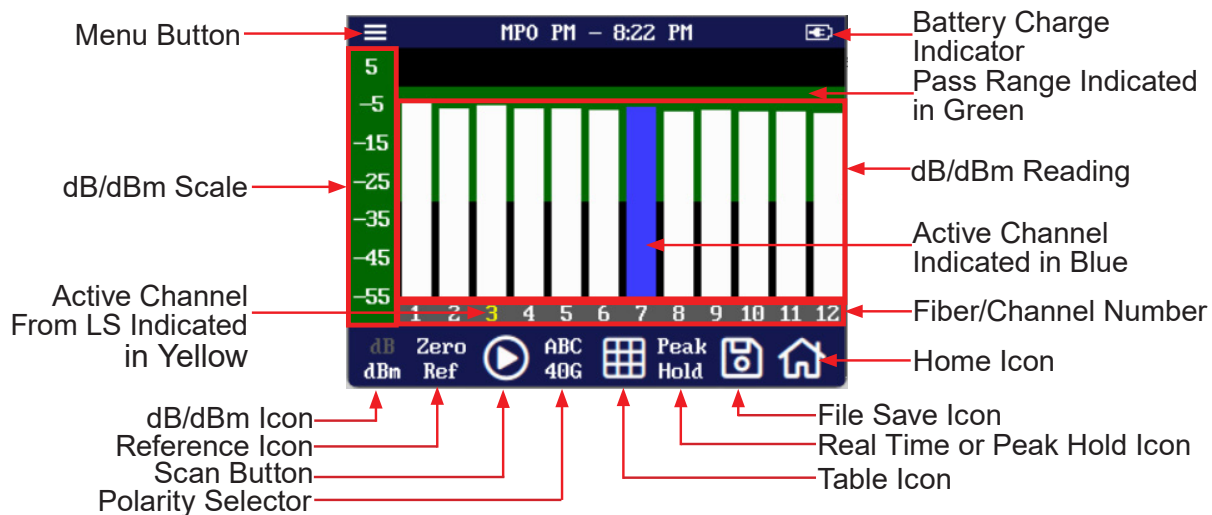
- Video Scope Selector Select to open the Video Scope function.
- ORL Icon Select the ORL icon to open the ORL feature.
- Help Info Select for information to access FIS manuals, upgrades and training online.
- Home Icon Select the home icon to return to the home screen.

ORL Operation Screen



- Scan Button Toggles between a play arrow and pause bars. Select to Start/Stop an ORL test.
- Table Icon Select the table icon to display the test in table mode.
- File Save Icon Select to open the file save screen.
- Home Icon Select the home icon to return to the home screen.

Power Meter Screen with Menu

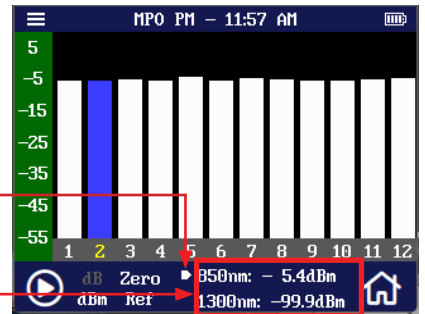


Power Meter Screen Icon Functions

- Menu The menu icon cycles on and off the power meter menu bar
- dB/dBm Icon Use this icon to toggle between dB (referenced loss) or dBm (raw power) readings.
- Set Ref Icon Use this icon to zero out the reference cable when testing for dB.
- Scan Toggles between a play arrow and pause bars. Touching scan puts the power meter in a real time test state and pause freezes the measurements on the screen.
- Polarity Icon This icon opens the polarity screen view of the power meter.
- Table Selecting the table icon to open the table mode.
- RT or PH Real time shows all new measurements at 4Hz and Peak Hold shows max power on each channel during a light source autoscan.
- File Save Opens the file save screen
- Home Icon Select the home icon to return to the home screen.

Power Meter Screen with Data

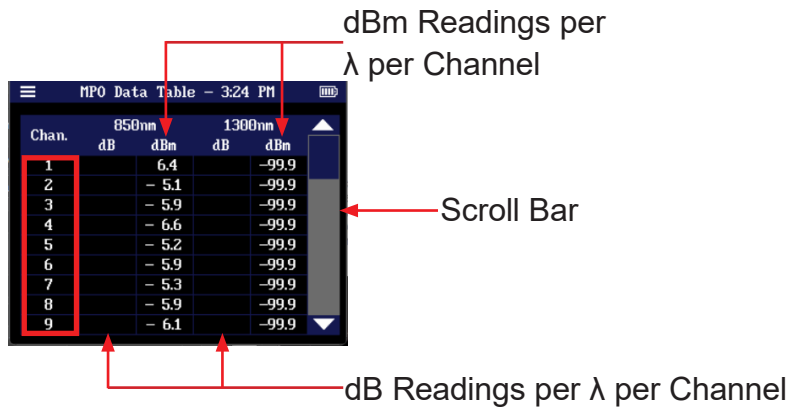
The data displayed at the bottom of the screen is for the highlighted channel/fiber. To change the channel/fiber that is being displayed, touch the bar above the channel/fiber number. To change the wavelength that is displayed on the screen, touch the λ Selector/Indicator arrow next to the wavelength.



Active λ Selector/Indicator

Power Meter Loss Value for the Active Channel

Power Meter Table Mode



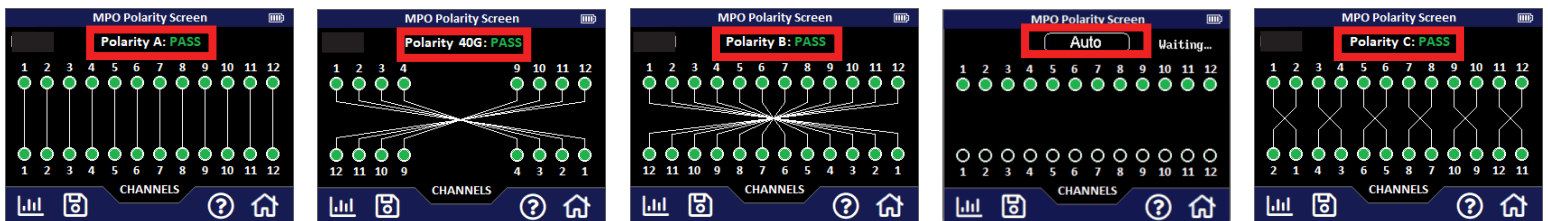
dBm Readings per λ per Channel

Scroll Bar

dB Readings per λ per Channel

Selecting the Table icon while in the menu mode of the bar graph screen will open the table mode screen and presents a table view of the test. Use the scroll bar to view channels that are off the screen. To exit the table mode, touch the Menu icon to open the menu icons available in the table screen. Available choices are return to bar graph, exit to the setting screen, save the test or go to the home screen.

Polarity Screens



Touching the Polarity icon, will open the polarity screen, touching the polarity button at the top of the polarity page will cycle through the different polarity screens. Run a light source autoscan while in a polarity mode and it will indicate a pass or fail for the fiber positions on that cable.

Video Microscope

Video Microscope Icons

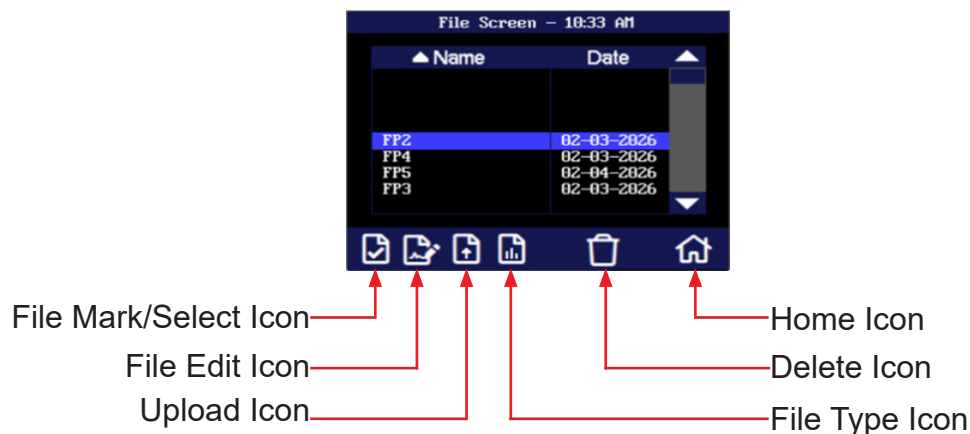


Video Scope Icon Function

<u>Live Icon</u>	Selecting the live icon turns on live or running mode. This is a real time reading of the connector face.
<u>Pause</u>	To freeze an image for inspection, select the Pause icon. While in auto of the auto/pass/fail mode, pressing pause will grade the connector end face and display calculated pass/fail.
<u>Zoom In</u>	Selecting Zoom In increases the image to 250x
<u>Zoom Out</u>	Selecting Zoom Out returns the image to 125X
<u>Save Icon</u>	Selecting the Save Icon opens the file save/naming screen with QWERTY keyboard
<u>Pass/Fail</u>	Selecting the set pass/fail icon while in the live mode will toggle through fail, pass and auto grading markers (Auto will be accomplished by the unit when entering the pause mode.)
<u>Brightness</u>	Selecting the brightness icon will cycle through the brightness levels available.
<u>Grading Rings</u>	Selecting this icon will toggle the grading rings off and on. These pass/fail grading rings are used to assist with manually grading a connector. The rings represent 25um, 120um, 130um and 250um.
<u>Edit Icon</u>	This is used to mark the points of contamination and is accomplished in the paused mode. Available markers will be displayed at the top of the screen. Pick up the marker by using the stylus and touching the contamination sample size that is required. Touch the image where the marker is to be placed. The marker may be fine-tuned with the stylus to cover the contamination point. Once positioned properly, touch the statement "Place marker on image then touch here" to lock marker in place. Repeat this as necessary to mark all the points that need to be indicated for the pass/fail status. At this point the image should be saved as the marks are removed upon returning to live mode.
<u>Home Icon</u>	Select the home icon to return to the home screen.

File Management

File Management Screen/Icons



Icon Function/Use

<u>Mark/Select</u>	Selecting this will mark the highlighted file for uploading or deleting.
<u>File Edit</u>	When selected the highlighted file will open in with the QWERTY keyboard for editing.
<u>Upload Icon</u>	Selecting this will upload Marked and highlighted files to the computer through FIS Connect software.
<u>File Type</u>	This is a toggle and will display PM, ORL and video microscope files. Note that the image changes from a bar graph or scope target inset.
<u>Delete Icon</u>	This is a non-recoverable delete key, once selected the marked and highlighted files are erased immediately.
<u>Home Icon</u>	Select the home icon to return to the home screen

Note: Selecting the highlighted file will open that file in the appropriate screen, PM, ORL or video scope.