



Quick Reference Guide

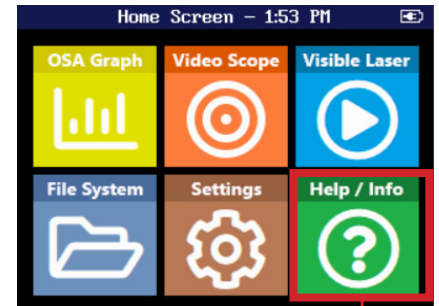
OV350-CWDM OSA

Rev. A 1/2026

Power Up

Press the  button to power on the CWDM OSA. The home screen will be displayed.

The home screen offers direct access to the CWDM Optical Spectrum Analyzer and Video Scope Modules. The Visible Laser is operated directly from the home screen, simply touch the Visible Laser icon and toggle through CW, modulated and off. File management icon opens file management screen to manipulate and transfer files saved in the OSA and the Video Scope. The settings icon opens the settings page to set date and time and pass/fail parameters on the OSA. The Help icon offers the user a link to FIS, manuals, PC application software, equipment upgrades and training online.

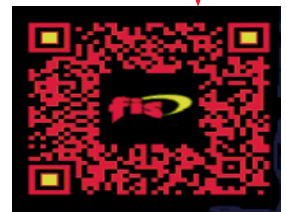
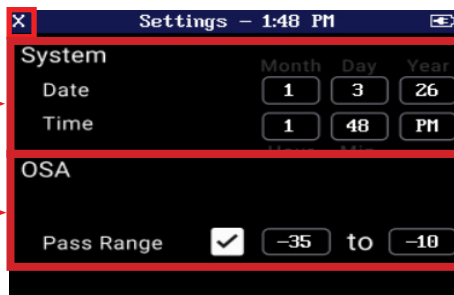


Setting Screen

Select the Settings icon to open the settings screen.

Date and Time Settings →

OSA Pass/Fail Settings →



Link to FIS manuals, upgrades and training online.

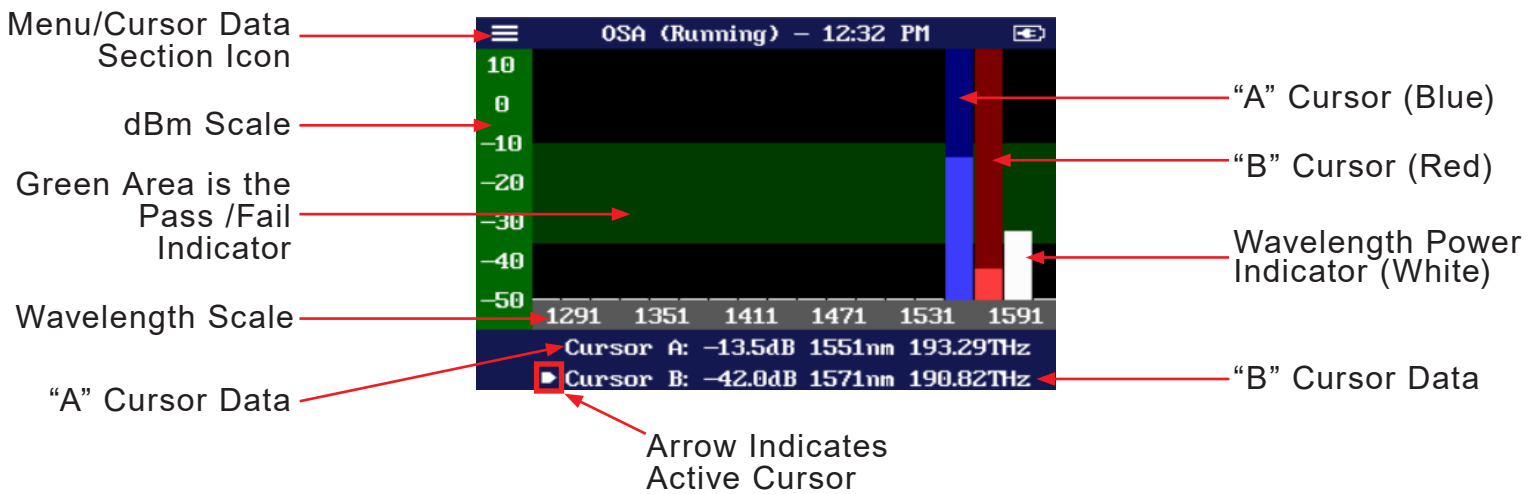
Setup

Follow the steps below for initial setup and periodic adjustments

- From the Home screen, select the Settings icon to enter the settings screen.
- Set the date and time by long touching each date and time field to cycle through available settings. This data will be used for time stamps on saved video scope and OSA files.
- To Set the pass/fail scale on the OSA, touch and hold each value until the desired value is indicated. Use the check box to turn the pass fail indicator on or off while in the test screen.

CWDM OSA Operation Screen

CWDM OSA Settings Buttons and Indicators



Menu/Cursor Data Selection

Select the Menu icon to toggle between the menu icons and the "A" and "B" cursor data at the bottom of the screen.

dBm Scale

The dB Scale displays from +10 to -50 dBm in 10 db increments. To see accurate reading of the power, use the "A" and "B" cursor information at the bottom of the screen.

Pass/Fail Indicator Area

If turned on in the settings screen, the green shaded area in the display indicates the power levels that are considered passing,

Wavelength Scale

The CWDM Scale is from 1271nm to 1611nm in 20nm steps. Not all the steps are indicated on the screen, move the "A" and "B" cursor to a data bar to see the actual wavelength.

A and B Cursors

The "A" cursor is Blue and the "B" cursor is red. When they overlay a wavelength power indicator bar, the power bar will be shaded with the appropriate color. When indicated by the active cursor selector, the active cursor can snap to a location or be dragged to a location.

Wavelength Power Indicators

These are the white bars on the display. (shaded appropriately when selected by the "A" or "B" cursors) The exact wavelength, power and THz level of the selected bar will be displayed in the cursor data at the bottom of the screen.

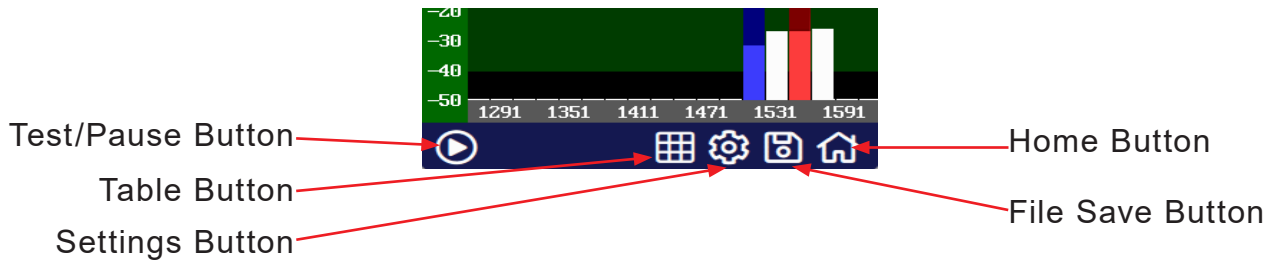
"A" and "B" Cursor Data

Actual data for each wavelength when selected by a cursor.

Active Cursor Selector

The arrow immediately to the left of the cursor data is a toggle and will switch between making the "A" cursor or the "B" cursor the active cursor.

CWDM OSA Icon Menu



Test/Pause Button

This button starts and stops a test.

Table Button

When selected, this button opens the table view. While the table view is open, the button is replaced by a graph button, which is used to return to the graph view.

Settings Button

Use this button to access the settings screen to set date and time and the pass/fail power levels, or turn the pass/fail screen indicator on or off.

File Save Button

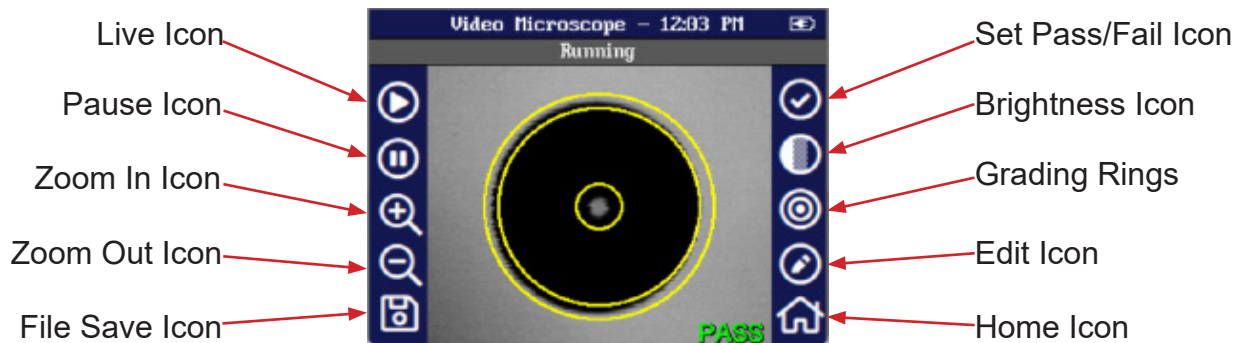
When selected, touching this button will save a test and open the file naming screen. Enter a file name and select the green check mark to save the file.

Home Button

Select this to return to the home screen.

Video Microscope

Video Microscope Icons



Video Scope Icon Function

Live Icon

Selecting the live icon turns on live or running mode. This is a real time reading of the connector face.

Pause

To freeze an image inspection, select the Pause icon. While in auto of the auto/pass/fail mode, pressing pause will also grade the connector end face and display calculated pass or fail.

Zoom In

Selecting Zoom In increases the image to 250x

Zoom Out

Selecting Zoom Out returns the image to 125X

Save Icon

Selecting the Save Icon opens the file save/naming screen with QWERTY keyboard

Pass/Fail

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.)

Brightness

Selecting the brightness icon will cycle through the brightness levels available.

Grading Rings

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.

Edit Icon

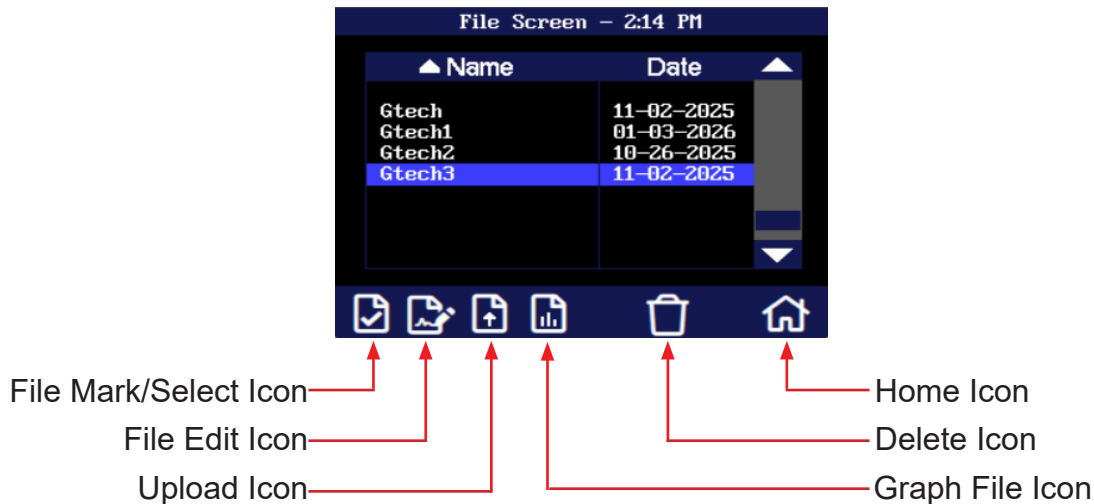
This is used to mark the points of contamination and is accomplished in the paused mode. Available markers will be displayed at the top of the screen. Pick up the marker by using the stylus and touching the contamination sample size that is required. Touch the image where the marker is to be placed. 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.

Home Icon

Select the home icon to return to the home screen.

File Management

File Management Screen/Icons



Icon Function/Use

Mark/Select

Selecting this will mark the highlighted file for uploading or deleting.

File Edit

When selected the highlighted file will open in with the QWERTY keyboard for editing.

Upload Icon

Selecting this will upload marked and highlighted files to the computer through Fiber Instrument Sales Connect Software.

Delete Icon

This is a non-recoverable delete key, once selected the marked and highlighted files are erased immediately.

Home Icon

Select the home icon to return to the home screen

Graph File Icon

Indicates the graph files are being viewed, when selected it is replaced by a scope file icon to indicate the scope files are then being displayed.