

# FIS Report Workstation Manual

## Information

FIS Report Workstation v0.2.0

## Test Sets

- OV350 MPO-12 Test Set
  - MPO-12 Power Meter (Insertion Loss and Power measurement) test file
  - MPO-12 Polarity (A, B, C, 40G) test file
  - MPO-12 Optical Return Loss test file
  - Bring in these individual files and generate PDF reports containing any combination of these three tests, bringing them in as individual files.
  - Designed for OV350 instrument.
- Easy Tester 16-Fiber Cable Tester
  - 16-Fiber Polarity measurement (A, B, C)
  - 16-Fiber Loss measurement (Insertion Loss)
  - Easy Tester emits a single csv containing all this data, which can be imported into the program to generate PDF reports.
- Easy Tester Power Meter
  - Simple power meter that just measures one reading for insertion loss and power

## Getting Started

FIS Report Workstation initially opens to a menu where you can choose your desired test set. Information about the different test sets is found in the [Test Sets](#) section. You can also choose whether to load a [prelude workspace](#) or to start completely blank.

Once you choose an option and enter, you land on your chosen workspace view. You can import test data and stage the data for PDF reports. You are free to resize the side panel so you can see the file names or editor better. The side panel lists files in the project and allows you to interact with them. You can open files in the editor to view, rename, or edit them. Editing is locked by default to prevent accidental tampering but can be unlocked by pressing the button in the top right corner if needed.

The program can be used in many ways to fit your workflow. Below are step-by-step instructions for making your first report. The program is simple to use but can also be powerful. Following these steps will ensure that you understand the intended procedures.

1. Either double click “Customer Data,” or select it and click “New” to create a new Customer Data template.
2. Fill out the essential company information and optionally browse for a logo.
3. The grid underneath the Notes section can be used for extra structured information. Columns and rows can be added and removed freely, but the defaults are sensible for most. You may notice that some fields have percent signs, for more information on them refer to [Replaceable Fields](#).
4. Press the save icon in the top right corner, this should add a new entry under Customer Data in the side panel.
5. (Optional) Press the “Save” button in the side bar and store a project including just the customer data template. Using this feature allows you to start your reports with your customer data already prepared.
6. Perform tests using an FIS MPO Instrument.
7. Use FIS Connect software to pull test data from the instrument.
8. In FIS Report Workstation press the “Import” button. You can import and process as many files as you would like to in a batch.
9. Create a new project under the “Projects” section
10. Select matching Power Meter, Polarity, and/or ORL reports to link to this project. Fill in information about the test.
11. Use the save icon in the top right corner. You will know that the files are linked properly if the data you chose appears under the project name in the side panel.
12. Repeat steps 10 through 12 until all tested cables have matching projects. Optionally, click the save button in the side bar to save your workspace for later reference or reopening.
13. Click the “Report” button in the side bar to open the report wizard.
14. Select the correct company name from the dropdown and tick the checkboxes next to any projects you would like to include in the report. You can also click the double arrows to (de)select all projects.
15. Click the save icon in the top right corner and choose a location to save the generated report PDF. The program suggests a file name based on the date and company name.

## Project Format

FIS Report Generator Projects are ZIP archives with no strict file structure. The file extensions .ZIP or .RGP are both valid, but the latter is preferred to indicate the file type. Project files generated by the program will have all entries placed in the root of a zip file, named like <key>.<type>.<ext>. These entries can also be imported into the project on their own like normal.

Data is internally modeled after the source CSV files from instruments but is serialized via JSON after the program interacts with them. The importer does not discriminate between CSV and JSON, but the program is unable to export CSV. This means that a zip file of CSV's from an instrument is also a valid project file, and you can even mix and match CSVs' and JSON.

Project files also include assets like the customer logo. It may be useful to store a project containing just your customer data and logo to use as a template for reports. The report workstation does not replace the workspace when a project file is imported, it only adds to the workspace.

## Prelude Workspace

FIS Report Generator supports saving a "prelude workspace" that will automatically populate every time the program is opened. This is useful for storing company information that will be used often. To do this, simply save a file named "prelude.rgp" alongside the program's .exe and this PDF file. This can be omitted to make the program open to a blank workspace instead.

## Replaceable Fields

The notes section and fillable fields can insert certain data during the report generation process. A replaceable field is represented by a field type surrounded in percent signs. The table below contains the list of replaceable fields.

| Input         | Description              | Example Output      |
|---------------|--------------------------|---------------------|
| %companyname% | Customer Data's name     | Company, LLC.       |
| %date%        | Export date / time       | 7/6/2026 9:45:13 AM |
| %testedcount% | Count of linked projects | 10                  |
| %%            | Escape to show percent   | %                   |