



The user can verify the correct units are being recognized as well as their ID. This can be viewed in Setup > Instruments.

USB Device	NR	ID	SerialNumber	Description	Status	Type
0	0	OPMRL1	00010755	OP930	1	Type: 933/1
0	0	RL1	00010755	OP930	1	Type: 933/1
1	1	OPM1	00110101	OP710	1	Type: 710/3

Figure 4: Instruments tab in setup

Navigate back to the Sequence tab and click on fiberMAP on the top right. A popup screen should appear showing a matrix of inputs versus outputs.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
A1	0	0	0	0	0	0	0	0	0	0	0	0
A2	0	0	0	0	0	0	0	0	0	0	0	0
A3	0	0	0	0	0	0	0	0	0	0	0	0
A4	0	0	0	0	0	0	0	0	0	0	0	0
A5	0	0	0	0	0	0	0	0	0	0	0	0
A6	0	0	0	0	0	0	0	0	0	0	0	0
A7	0	0	0	0	0	0	0	0	0	0	0	0
A8	0	0	0	0	0	0	0	0	0	0	0	0
A9	0	0	0	0	0	0	0	0	0	0	0	0
A10	0	0	0	0	0	0	0	0	0	0	0	0
A11	0	0	0	0	0	0	0	0	0	0	0	0
A12	0	0	0	0	0	0	0	0	0	0	0	0

Figure 5: Popup showing a matrix of inputs versus outputs

## Setup

Before running the fiberMAP one needs to configure the setup.

## Threshold

The dBm threshold value is the minimum power level which will be considered a “lit” channel. The relative dB value creates a range of accepted measurements that indicate a fiber is connected.

## Inputs

This is the number of inputs channels from the source. For a 12 fiber MPO cable this value would be 12.

## Outputs

This is the number of output channels to be monitored.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
A1	0	0	0	0	0	0	0	0	0	0	0	0
A2	0	0	0	0	0	0	0	0	0	0	0	0
A3	0	0	0	0	0	0	0	0	0	0	0	0
A4	0	0	0	0	0	0	0	0	0	0	0	0
A5	0	0	0	0	0	0	0	0	0	0	0	0
A6	0	0	0	0	0	0	0	0	0	0	0	0
A7	0	0	0	0	0	0	0	0	0	0	0	0
A8	0	0	0	0	0	0	0	0	0	0	0	0
A9	0	0	0	0	0	0	0	0	0	0	0	0
A10	0	0	0	0	0	0	0	0	0	0	0	0
A11	0	0	0	0	0	0	0	0	0	0	0	0
A12	0	0	0	0	0	0	0	0	0	0	0	0

Figure 6: FiberMAP setup configuration

## Simulation

When setup is complete, click Explore. The software will run through all outputs per input and read the power levels.

Figure 7: Simulation of hardware setup for verifying continuity with FiberMap

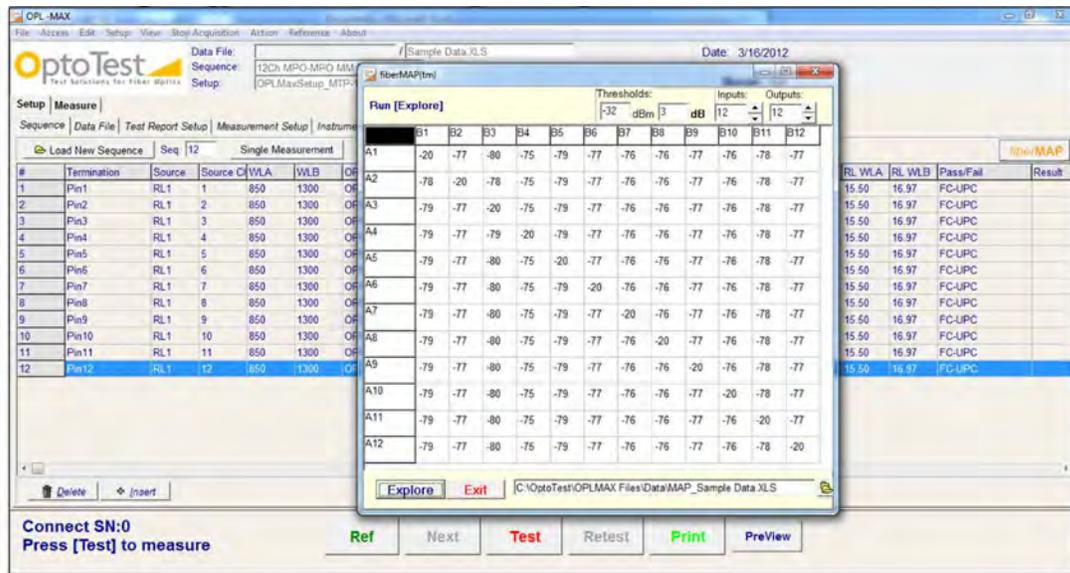
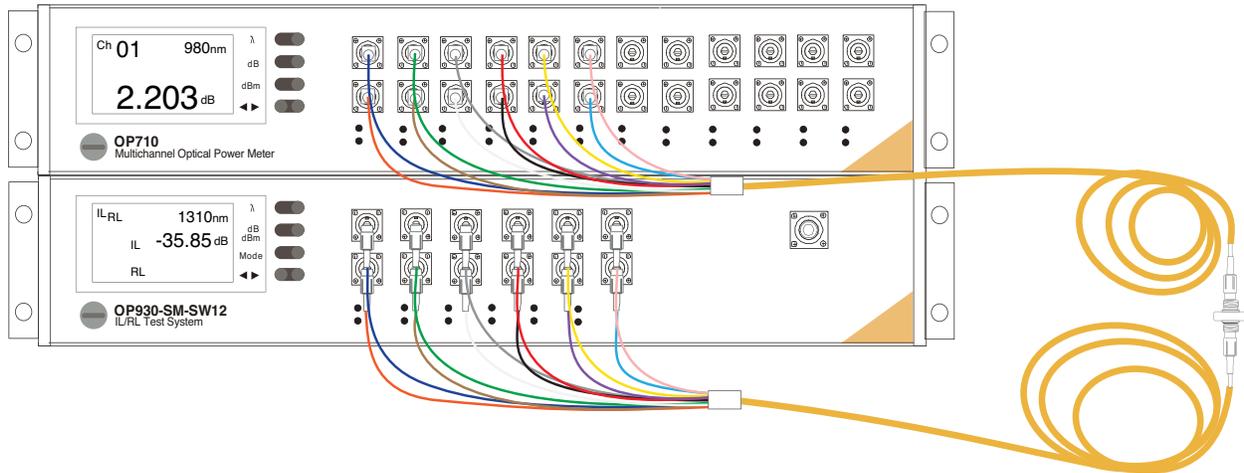


Figure 8: FiberMap output screen before analysis

Note that the power levels where there is no connection (i.e. A1:B12, A3:B1) read dark values. When the simulation is completed, it will highlight values within the threshold. This indicates a connection from one input to the output.

The highest power is added from all power measurements. For example, -20 dBm was measured as the highest power. Therefore, the connection A1:B1 would read 0, while A1:B2 would read 57.

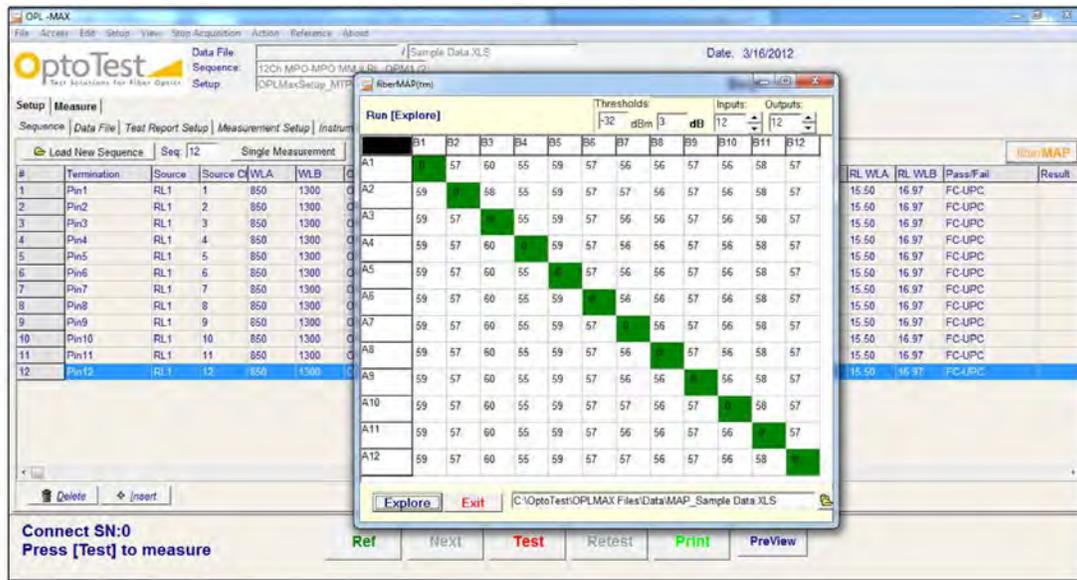


Figure 9: FiberMap output screen after analysis

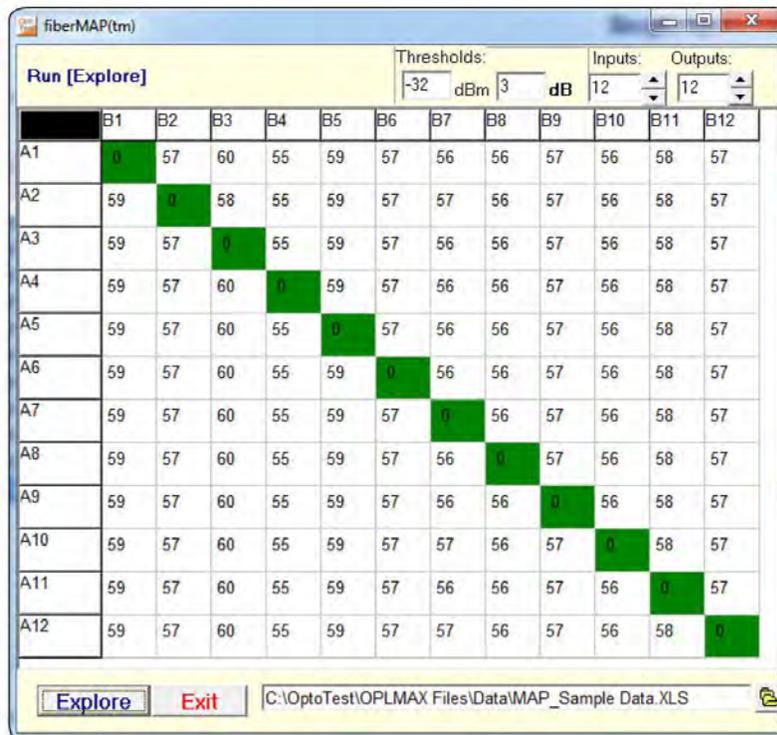


Figure 10: Shows an MTP-MTP cable with a 1:1 pinout (input 1 routes to output 1, etc.)