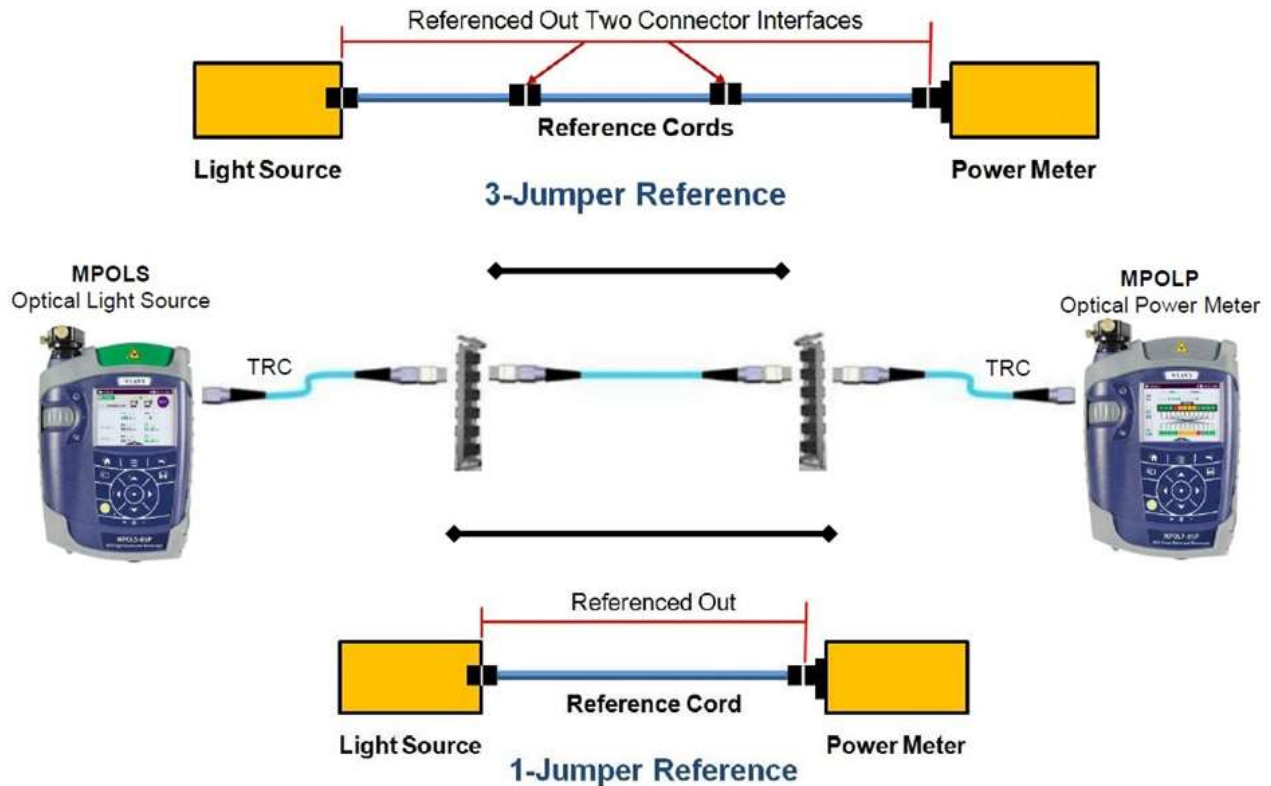




## How to perform the Test Referencing for MPOLx products.

Description	Description of the test configuration. The description will be shown in the test configuration list below the title.
Fiber/Light Source Type	The fiber Type can be configured for <b>Single-Mode</b> or <b>Multi-Mode</b> measurements.
Test Limit	First select the limit specification/preset from the drop down menu. Then edit the limit settings: <ul style="list-style-type: none"><li>• Expected Polarity: Select the fiber connection type.</li><li>• Length: Enter the length limit (to change the length unit)</li><li>• Max. Loss: at 1300nm and 850nm.</li></ul>
Cable & Connector Settings	Select the cable manufacturer, the cable name and the Connector Type from the respective list. See the indicated refractive Index.
Test Reference Method	Select the reference method: <b>1 jumper cable</b> or <b>3 jumper cables</b> .
Pass/Fail Fiber Selection	Select/Deselect different fiber numbers for pass/fail testing.

Note to reset the device to factory default.



## MPOLx

### How to set a Test Reference

#### ❖ Correct Procedure for Referencing

- 1) Turn on MPOLS and MPOLP units and let MPOLS warm up for 5-10 minutes
- 2) Select and configure appropriate test limit on MPOLP (i.e. length, polarity, loss)
- 3) Set reference method on MPOLP (1-cord or 3 cords)
- 4) Connect devices together according to the selected reference method (IBYC)
- 5) Perform reference

#### ❖ Tips

- For referencing and testing, only use the special test reference cords provided in the MPOLx test kit.
- Disconnecting the connection at the MPOLS invalidates any reference performed before.
- Since the connection at the MPOLP is a free-space (i.e. not glass-to-glass), the test reference cord can be temporarily removed without affecting the reference.
- Any loss associated with the test reference jumper cables is automatically considered in the test results.

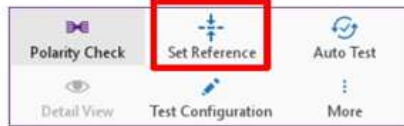
## MPOLx

### How to set a Test Reference – One Jumper/Cord Reference

- 1) Connect the MPOLS and MPOLP together with one TRC



- 2) Press “Set Reference” button on MPOLP



- 3) **Disconnect** the TRC connection at the **MPOLP**
- 4) Connect another TRC to the MPOLP
- 5) Connect both TRCs to the fiber system under test



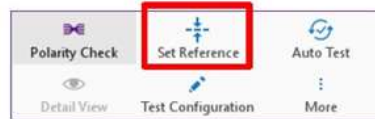
## MPOLx

### How to set a Test Reference – Three Jumpers/Cords Reference

- 1) Connect the MPOLx together with two TRCs, two adapters AND a third TRC



- 2) Press “Set Reference” button on MPOLP



- 3) Remove the 3<sup>rd</sup> TRC
- 4) Connect both TRCs+adapters to the fiber system under test



# MPOLx

## How to set a Test Reference – Summary of Reference Methods

- ❖ Difference is the number of bulkhead (coupler) connections included in the loss measurement.
- ❖ Use the method recommended by your local standards OR by your vendor!
- ❖ For link testing, 1 cord method is universally recommended
- ❖ For channel testing, 3 cords method is recommended

