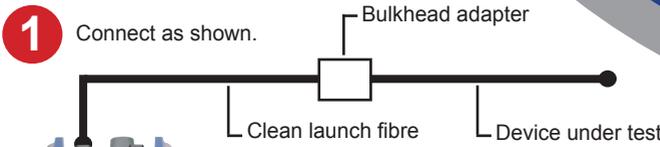


# OTDR REFERENCE GUIDE

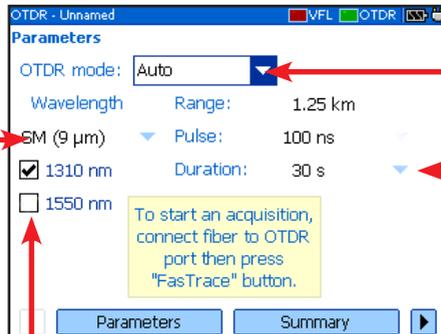
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## ● TESTING IN AUTO MODE



**2** Press to turn unit on.

**3** Select Menu > OTDR > Parameters.



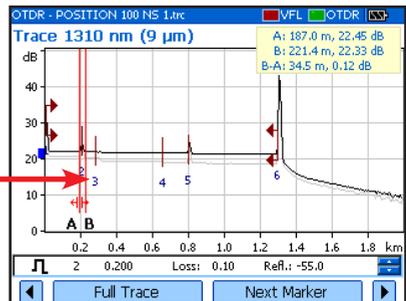
**4** Select Auto

**5**

If your unit supports singlemode and multimode wavelengths, select fibre type:(C Fibre: 50µm / D Fibre: 62.5µm).

**7** Select duration acquisition.

**6** Select test wavelengths.

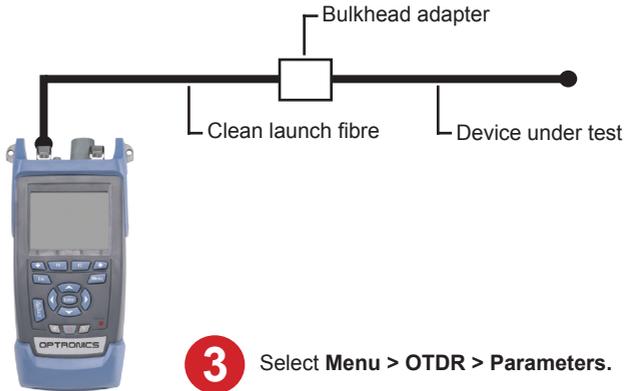


**8** Press FastTrace to start the acquisition. Press FastTrace again to stop it at any time.

During acquisition, the trace is displayed. Once all selected wavelengths have been tested.

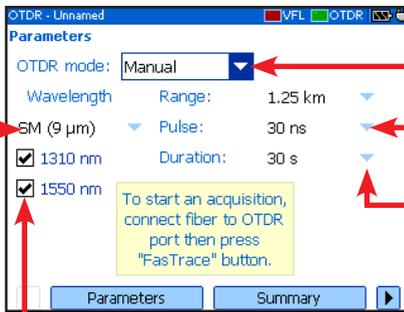
## ● TESTING IN MANUAL (ADVANCED) MODE

**1** Connect as shown.



**2** Press  to turn unit on.

**3** Select **Menu > OTDR > Parameters**.



**4** Select Manual

A longer pulse travels farther down the fibre, but provides less resolution.

To set period over which results are averaged. Generally the longer the time, the cleaner the trace. Default is 30 seconds.

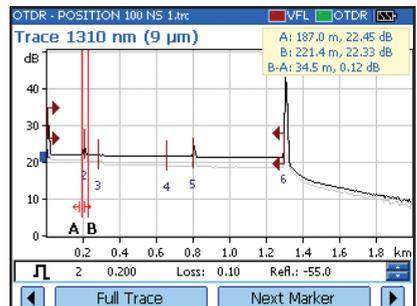
If your unit supports singlemode and multimode wavelengths, select fibre type: (C Fibre: 50um / D Fibre: 62.5um)

**6** Select test wavelength.

**7** Configure the test parameters.

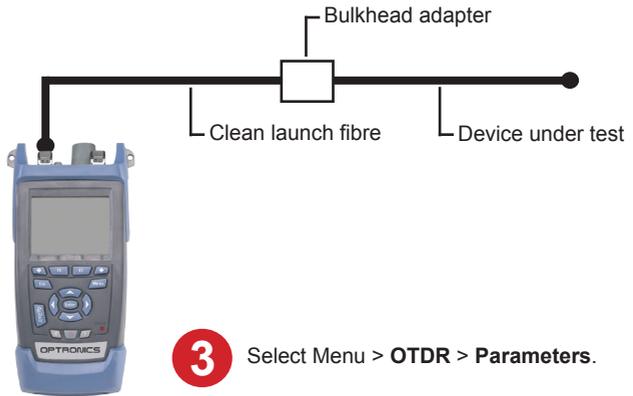
**8** Press **FastTrace** to start the acquisition. Press **FastTrace** again to stop it at any time.

During acquisition the trace is displayed. Once all selected wavelengths have been tested, the unit switches to **Summary** pane automatically (some models only). If not, see displaying summary pane automatically.



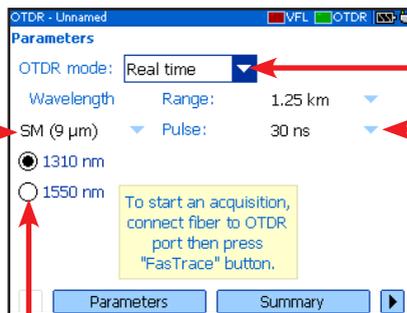
## ● MONITORING FIBRE IN REAL TIME MODE

**1** Connect as shown.



**2** Press  to turn unit on.

**3** Select Menu > OTDR > Parameters.



**4** Select Real Time

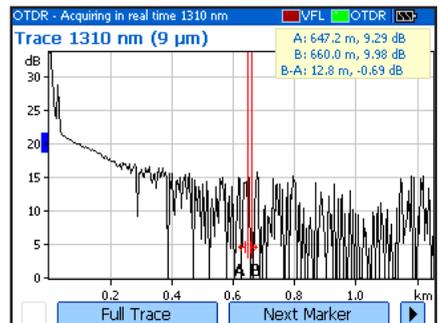
**5** If your unit supports singlemode and multimode wavelengths, select fibre type:(C Fibre: 50 $\mu$ m / D Fibre: 62.5 $\mu$ m).

A longer pulse travels farther down the fibre, but provides less resolution.

**6** Select test wavelength.

**7** Configure the test parameters.

Press FastTrace to start the acquisition.



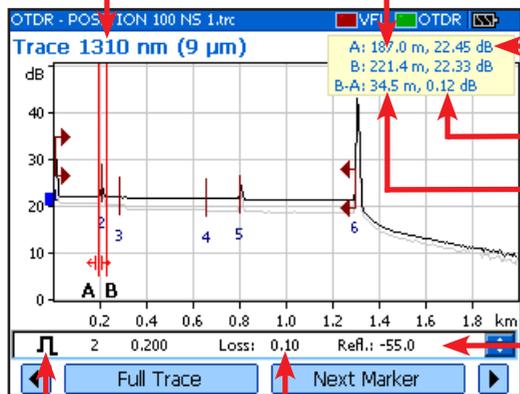
**9** When you have finished, press FastTrace to stop the acquisition.

## VIEWING RESULTS

► **Trace** pane. You can select trace (F1/F2 keys). Zoom functions are available via zoom (F1/F2 keys).

Wavelength of displayed trace.

Distance between span start and markers A and B.



Relative power at markers A and B (use left/right arrows to move markers).

Loss difference between A and B.

Distance between markers A and B.

Reflectance value.

Loss value.

Events (use up and down arrows to view each in turn).

► **Events** pane. You can select Events (F1/F2 keys).

Wavelength of the displayed trace.

Use left/right arrows to switch between the different wavelengths.

Type	#	Loc. (km)	Loss (dB)	Refl. (dB)	Cumul. (dB)
→	1	0.000	????	-45.0	0.00
↵	2	0.200	0.10	-55.0	0.17
↵	3	0.280	0.10		0.29
↵	4	0.650	0.10		0.52
↵	5	0.800	0.10	-55.0	0.67
↵	6	1.300	99.00	-14.0	0.84

You can select an item and press Enter to switch to Trace pane.

## ● INSPECTING FIBRE WITH THE FIP

To access probe mode on your unit:

- 1 Connect probe to the right side of the unit, using the adapter if necessary.
- 2 Press Menu, and then select **Probe** to activate probe display.

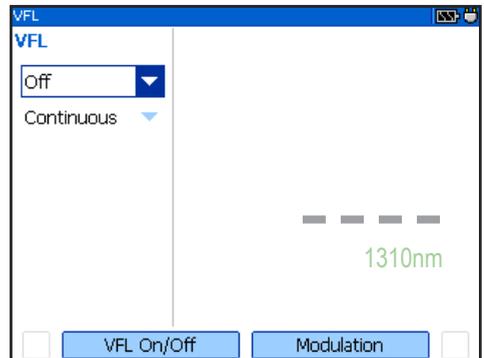
To adjust brightness or contrast:

- 1 From Probe panel, select **Display Settings**.
- 2 Adjust brightness/contrast, press **OK** when done.

To **EXIT** Probe Mode and return to the regular display, press **ESC** or **Menu** to select another option.

## ● INSPECTING A FIBRE WITH THE VFL

- 1 Connect a clean fibre to the VFL port.
- 2 Press  to turn unit on.
- 3 Press **Menu**, then select **VFL**.
- 4 Press VFL ON/OFF (F1/F2 Key) to activate the VFL list (list displays on).
- 5 To switch between blinking (1Hz) and continuous (CW) signals, press **Modulation**.
- 6 Without looking directly into the beam, examine the fibre, if light comes out of the rubber jacket or the side of the ferrule, the fibre is defective.
- 7 Press VFL ON/OFF (F1/F2 key) to deactivate the VFL.



## ● USING THE MENUS & KEY PAD



### To access main features:

- 1** Press the **Menu** key.
- 2** Use the arrows to select feature, then press **Enter**.

### To access and modify on screen parameters:

- 1** Use the arrows to select an on screen item, (drop down list, keyboard, check box etc.).
- 2** Press **Enter**.

### To activate F1/F2 functions:

- 1** Use the left/right arrows (beside the F1/F2 keys to make the desired function/parameter available.
- 2** Press the F1 or F2 key located just below.

### To enter text/numbers with an on screen keyboard:

- 1** Use the left/right function arrows (besides F1/F2 keys) to move the cursor in the text.
- 2** Use the up/down and left/right arrows to select a character and then press **Enter** to add it.
- 3** Press **OK** (F1/F2 key) to accept the element and hide the keyboard.

**Download The User Manual:**  
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