



## *Enabling Australia's Field Technicians to build, troubleshoot and maintain better communications networks.*



This reference material is provided by TMG Test Equipment, VI.AVI's **only** Master Distributor for Contractors in Australia



**Industry Best Pricing**



**Finance Available**



**Short to Medium Project-Based Rental Solutions**



**Dedicated Technical & After-Sales Support**



**In-house Diagnostics, Repair & NATA Calibration Laboratory**



**FREECALL 1800 680 680**

**NEW VIAVI OTDR Packages from TMG**

**Focused on today's industry needs!**



**1800 680 680 | [sales@tmg.com.au](mailto:sales@tmg.com.au)**



### **The Package Experts**

- ✔ test equipment
- ✔ hand tools
- ✔ safety products
- ✔ consumables



# Meet & exceed the NBN requirements



## Key factors when choosing an OTDR

NBN's Fibre to the Curb is about to take off, so now it's time to dust off your OTDR and see if it's up to the NBN's requirements.

### Minimum Requirements

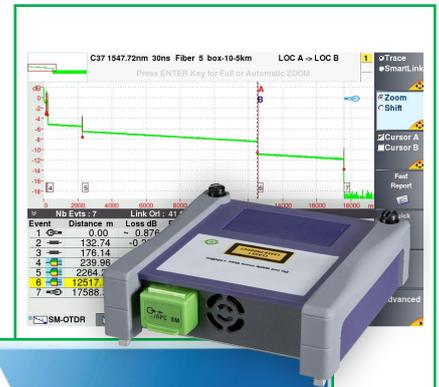
- Accurate & reliable results
- Store's results in an SOR format
- Adjustable pulse width
- Both 1310nm & 1625nm wavelengths
- Enough dynamic range to test through a series of splitters
- Cursors to take two point measurements

### Key Functions

- Easy & Expert modes
- SOR Reporting
- Accuracy
- Cursors
- Easy Navigation
- Local Warranty
- High Dynamic range
- NBN Scripting

### Useful Features

- Single port (Quicker & less chance of port contamination)
- Post processing software
- WIFI & Bluetooth connectivity
- Tri-band for further projects (TPG / Telstra)
- Can be used with a fiberscope



**Example of OTDR trace view**

**Detailed table of events**

Event	Distance Km	Loss dB	Reflect. dB	Slope dB/Km	Section Km	T. Loss dB
1	0.000	0.000	-56.65	0.000	0.000	0.000
2	0.011	0.000	-53.16	0.011	0.003	0.003
3	1.033	0.206	-60.86	0.189	1.021	0.200
4	1.950	1.004	0.189	0.919	0.579	0.579
5	2.896	0.059	0.185	0.946	1.758	1.758
6	3.925	0.185	-60.81	0.192	1.029	2.014
7	4.489	0.206	0.195	0.564	2.509	2.509
8	5.792	0.110	-56.23	0.202	1.303	2.774

Standard OTDR

**Summary table - all link information at a glance**

Laser	Link Loss	Link Ori	Fiber Length
nm	dB	dB	Km
1310 (10ns)	5.349	36.27	5.539
1550 (10ns)	8.431	37.48	5.539

**Alarms**

Distance Km	Fault Detected
1.018	Bad Splice
3.285	Bad Splice
4.935	Bend Detected

Event View

Laser	Distance	Loss	Reflectance
nm	m	dB	dB
1310	1031.65	0.237	-56.80
1550	1032.58	0.206	-60.86
1625	1032.23	0.200	-71.94

Details of selected element

✓ Connector

Threshold Reflectance : > -35 dB  
Threshold Connector Loss : > 0.50 dB

OTDR with SLM app

Toggle between views

# Industry Proven VIAVI MTS OTDRs

## Never a better time to invest into your new OTDR

The VIAVI MTS-2000 and MTS-4000 are two of the most popular OTDR's available in the world today. With reliable, accurate results and a platform that is simple to use, these OTDR's are the first choice for Telco Techs worldwide.

## Customise and save \$\$\$

Why pay for options you don't currently need? Save now and spend when the need arises. These custom packages are the best way to cover your current requirements with the peace of mind that you can upgrade at any time!

Models	MTS2k-BV-Dual Band	MTS2k-BV-Tri Band	MTS4K-BV-Dual Band	MTS4K-BV-Tri Band
NBN Ready	Yes	Yes	Yes	Yes
TPG / Telstra Ready	Upgradeable	Yes	Upgradeable	Yes
Dual Port	No	No	Yes	Yes
Display Range	0.5 to 260km	0.5 to 260km	0.5 to 260km	0.5 to 260km
Size	175 x 138 x 80mm	175 x 138 x 80mm	260 x 135 x 90mm	260 x 135 x 90mm
Weight	1.21 kg	1.21 kg	1.75 kg	1.75 kg
Dynamic Range	40dB / 37dB	40dB / 38dB / 37dB	40dB / 37dB	40dB / 38dB / 37dB
Pulse Width	3 ns to 10 $\mu$ s			
Attenuation Cursor Resolution	0.0001dB	0.0001dB	0.0001dB	0.0001dB
Attenuation Linearity	+/- 0.03dB/dB	+/- 0.03dB/dB	+/- 0.03dB/dB	+/- 0.03dB/dB

## High Dynamic Range!

With FTTC in particular, you'll need to test through several splitters. This means you'll require a unit with high dynamic range to negate the loss that will appear. We've got you covered with the VIAVI range because we never sacrifice quality for price.

## No limits!

With VIAVI's modular offering. You can have the confidence that you can swap and change as required. Need to test multi-mode? It's as easy as swapping your module on the MTS-2000 or adding one to the empty slot on the MTS-4000.

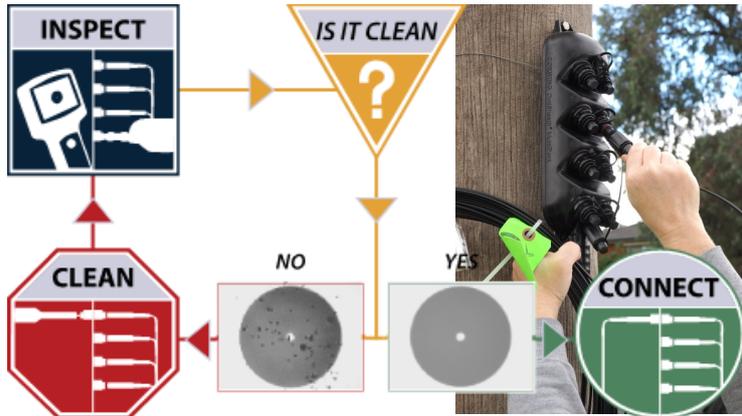
# Inspect before you connect

## Purchase with your OTDR and save \$\$\$

One clicks are great, but fiber inspection is the key to ensuring that your connection is installed correctly and will not have problems over time. Fiber end faces are delicate and even the smallest amount of dust can cause issues. It's not just about best practices, it's about getting the job done right the first time, every time!

### Today's Inspection Tool Requirements

- Connect to other devices
- Pair with Mobile Devices using with the FiberChekMOBILE app
  - Available for both iOS & Android
- Integrate with multiple Test Devices
- Automated Pass/Fail Analysis
- Generate Certification Reports



Visit our website for more info: [www.tmq.com.au](http://www.tmq.com.au)



**FTTc Network Testing Overview**

Testing the Fiber... THE OTDR that can be used in Distribution Fiber networks

The VisionTM fiber testing... a dynamic and... enough to be

OTDR's Available to Rent or

**TMG Test Equipment**  
Your 'One-Stop-Shop'

Tel: 1800 680 680  
Email: [onestopshop@tmq.com.au](mailto:onestopshop@tmq.com.au)  
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