VIAVI Solutions | SAVITRI TELECOM SERVICES

T-BERD/MTS OCC-4056C DWDM Optical Channel Checker Module with SFP/SFP+ bays

For T-BERD/MTS-2000 V2, -4000 V2, -5800 and OneAdvisor 800 Platforms

Connect the VIAVI Solutions™ 4100-Series OCC-4056C DWDM Channel Checker to successfully deploy and maintain passive DWDM signals for Fiber Deep, Remote PHY and C-RAN applications. The OCC-4056C optical performance, combined with the T-BERD/MTS or OneAdvisor 800 platform's suite of testing features, ensures that testing jobs are performed right—the first time.

The OCC-4056C scans the DWDM system and automatically records all channels with the wavelength/frequency and the related power level. Information can be displayed in a graphical spectrum format or in a table of results so that users can easily check the performance of each channel.

T-BERD/MTS-2000

One-slot handheld modular platform for testing fiber networks

T-BERD/MTS-4000 V2

Two-slot handheld modular platform for testing fiber optic networks

T-BERD/MTS-5800

Handheld tester for fiber, 5G, Ethernet up to 100G, OTN, and legacy networks

OneAdvisor 800

All-in-One Cell-site Installation and Maintenance Test Solution

2019 Broadband Technology Review - 4.0 Diamond Award Winner

2020 Lightwave Innovation Award - 4.0 Winner

KEY BENEFITS

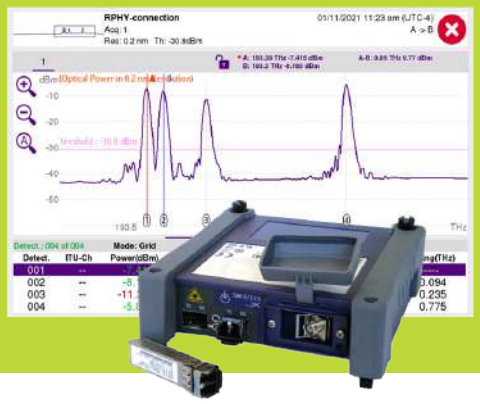
- Qualify any DWDM channel Frequency and Power level
- Troubleshoot any Passive DWDM network (e.g. Fiber Deep, Remote-PHY or C-RAN)
- Verify end-to-end continuity using a DWDM source in the SFP/SFP+ bays

KEY FEATURES

- Supports C-band applications (Ch62 to Ch12)
- Graphical and tabular display mode
- Supports ITU-T G.692 DWDM grid with 50/100 and 200GHz channel spacing
- Power and wavelength drift test application
- Slots for up to two SFP/SFP+ DWDM transceivers or one tunable SFP/SFP+

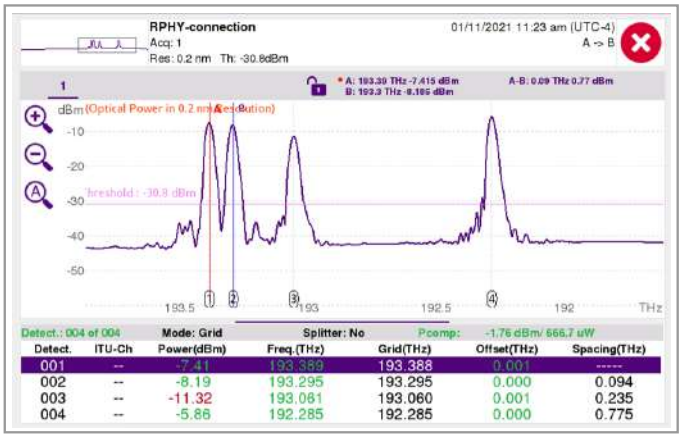
KEY APPLICATIONS

- Qualify forward/return path links through Mux and Demux
- Validate new wavelength routes for Fiber Deep and Remote-PHY
- Conduct spectral and drift testing on DWDM sources



Ease of Use

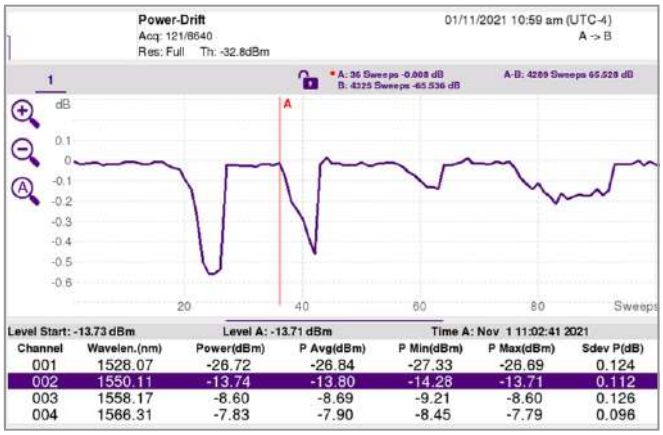
One-button auto-testing guarantees that technician needs no special training to carry out a DWDM test, making the VIAVI instrument suitable for both novice and expert technicians. An Auto-Test mode automatically identifies WDM channels, selects the appropriate wavelength range, and provides auto scaling and system qualification according to pre-defined parameters.



Graphical and tabular result screen with P/F indication

Drift Measurement for Wavelength and Power

For optical performance monitoring it is essential to measure the key parameters over time. The built-in drift test application provides the result of power and wavelength over a customer definable time in a graphical and numerical format.



Power drift over time

Flexible Measurement Capability

In-depth analysis, featuring statistical, continue or single evaluation with automatic storage capabilities, is provided. Different measurement functions such as automatic channel detection, and pass/fail analysis against user settable limits are available on the OCC-4056C.

High Performance DWDM Testing for installation and Troubleshooting

Covers C-band from 1527.99 nm to 1567.95 nm (Ch62 to Ch12)
Fast scanning speed (<4 s)
Real spectral measurements with:

- Complete spectral trace
- Tabular results of power and wavelength
- Zoom and marker functions
- High power dynamic for testing at monitor port

SFP/SFP+ Slots for DWDM Transceivers and Tunable SFP/SFP+

The OCC-4056C provides an integrated SFP/SFP+ slot to host up to 2 SFP/SFP+ DWDM transceivers or a tunable SFP/SFP+ (Tunable Optics SW-option required).

The Tunable Optics SW option enables reading type and wavelength of DWDM transceivers and to control tunable SFP/SFP+.

Optical transceiver and tunable SFP/SFP+ can be used to simulate DWDM transmitters for testing insertion loss per wavelength, and end-to-end continuity of a link in DWDM networks with mux/demux and OADMs.

Specifications

Modes	
Operating modes	DWDM, drift
Display modes	Graph (trace + overview) DWDM table and graph + table
Measurement parameters	Channel #, power, wavelength, drift
Spectral Measurement Ranges	
Wavelength range	1527.99 nm to 1567.95 nm 196.20 to 191.20 THz (Ch62 to Ch12)
Wavelength accuracy[1]	±0.060 nm (±7.5 GHz)
Readout resolution	0.01 nm
Resolution bandwidth FWHM1	> 0.15 nm
Minimum channel spacing[4]	0.4 nm/50GHz
Number of channels	Max 99
Power Measurement Ranges	
Dynamic range	−65 to +10 dBm
Noise floor RMS	−75 dBm
Absolute accuracy[2]	±0.6 dB
Linearity[3]	±0.1 dB
Readout resolution	0.01 dB
Scanning time (full band)	< 4 s
Optical Port	
Input port	SM/APC
Switchable optical adapters	SC/APC mounted FC enclosed (LC and ST on request)
Optical return loss	>35 dB
Total safe power	+22 dBm all channels +10 dBm one channe
SFP/SFP+ Bay	
Can host up to two SFP/SFP+ transceivers or one tunable laser (not included)	

General	
Weight	0.35 kg (0.7 lb)
Dimensions (W x H x D)	128 x 134 x 40 mm (5.04 x 5.28 x 1.57 in)
Temperature	
Operation	–5 to +50°C (23 to 122°F)
Storage	–20 to +60°C (–4 to 140°F)

1. At 23°C ±5°C
2. Typical at −5 dBm at DWDM wavelength grid including PDL
3. −45 dBm to +5 dBm, at 23°C
4. Two channels at equal power level

Ordering Information

Description	Part Number
OCC-4056C DWDM Optical Channel Checker with SFP/SFP+ bays, C-band, APC, SC mounted FC enclosed	2331/12
Tunable SFP SW-option for OCC-4056C	2331/94.01
Adapters	
Switchable ST adapter	2155/00.32
Switchable FC adapter	2155/00.05
Switchable SC adapter	2155/00.06
Switchable LC adapter	2155/00.07

Quality Testing
Our products undergo rigorous quality testing before shipment to ensure their excellence.

Packaging
We meticulously package our products to guarantee they arrive at their destination in pristine condition.

Transport
We prioritize swift transportation, minimizing your waiting time to receive your order promptly.

Delivery
Our delivery service is designed to bring the products you've ordered directly to your doorstep, tailored to your specific preferences.

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203, Ansal Chamber-II, 6, Bhikaji Cama Place, New Delhi-110066
+91 11 26700500/26103358 +91 11 26183229 +91-9212605204
marketing@savitritelecom.com