

Product Brief

# VIAVI T-BERD/MTS-5882

All-in-one handheld tester for the RAN technician

The T-BERD™/MTS-5882 is a portable test unit designed to make the cell-site technician's life easier. The compact tester helps cell site technicians and contractors complete a broad range of cell site tests and generate a consolidated test report within minutes, saving valuable testing and administrative hours.

## The Importance of Timing and Synchronization

As mobile networks evolve to deliver more bandwidth and services to the end-user, particularly the leap to 5G, timing and synchronization will become critical in mobile networks, both backhaul and fronthaul. Poor tower synchronization will become a source of customer churn, so arming cell technicians with a tool with built-in GNSS for PTP and OWD testing is a strategic way to maintaining network health.



## Key Benefits

- Ability to close out in 30-minutes
- Simplifies multi-technology testing with an all-in-one dual-10 G handheld
- Optimized for field use with a multitouch screen, scripted workflows, and clear results
- Supports efficient best practices with repeatable methods and procedures
- Speeds fiber characterization, Ethernet service activation, and troubleshooting tests

## Key Features

- Fully-loaded TDM/PDH to dual 10 G Ethernet, SONET, SDH, Fibre Channel, and OTN support
- Automated, enhanced RFC 2544 and SAMComplete testing per ITU-T Y.1564
- Integrated burst testing approach per MEF 34 and RFC 6349 TrueSpeed™ TCP throughput testing
- Single- and dual-port versions
- Compatible with VIAVI 4100-Series OTDR and COSA modules with Smart LinkMapper™, fiber microscopes, and optical power meters
- Job Manager for easy, automated test configurations and reporting

## Applications

- Mobile and backhaul characterization, including microwave links, validation, and troubleshooting
- Converged Ethernet/IP network testing and troubleshooting at 10 Mbps to 10 G interfaces
- Fiber link characterization and troubleshooting
- Installation and maintenance of OTN and legacy SONET/SDH and TDM/PDH networks
- Remote radio head (RRH) testing at the wireless base station
- PIM and interference testing over optical links (RFoCPRI)
- Next-generation Fronthaul eCPRI support

## All Tests in One Tester

The T-BERD/MTS-5882 is extremely versatile, enabling the cell site technician to address all key tests with one, lightweight, handheld tester; including:

- **Fiber Inspection:** Dirty fiber connections are the #1 cause of network downtime.
- **Microwave back-haul:** The majority of microwave backhaul links around the world are still microwave.
- **Enhanced Cable Diagnostics:** Environmental factors can damage the CAT X shielded twisted pair cable connecting the microwave antenna.
- **Fronthaul:** Avoid dangerous tower climbs with CPRI testing including BERT, PIM detection, MIMO diversity, RET, and VSWR.
- **Backhaul:** In addition to packet testing across error-prone microwave hops, the T-BERD/MTS-5882 also gives technicians the ability to test the Boundary Clock capabilities of microwave radios, ensuring timing and synchronization perform flawlessly.

## Your 30-Minute Close-Out Tool™

The T-BERD/MTS-5882 offers a breadth of tests combined with the work-saving features of Job Manager, an app designed to make testing and reporting easier. With Job Manger you can enter test configurations at a central web form instead of typing on machine in the field. It also consolidates the test results and reporting with a push of a button - within minutes – and make them available in the cloud. Manually compiling such reports, especially when using multiple test sets, can easily take half a day. Consolidate testing and reporting with the T-BERD/MTS-5882, and let it become your 30-Minute Close-Out Tool.



Contact Us **+1 844 GO VIAMI**  
(+1 844 468 4284)

To reach the VIAMI office nearest you,  
visit [viavisolutions.com/contact](http://viavisolutions.com/contact).

© 2018 VIAMI Solutions Inc.  
Product specifications and descriptions in this  
document are subject to change without notice.  
5882-pb-tfs-nse-ae  
30187301 900 0518