

NAVY APPROVED!

Optical Loss Test Set (OLTS) and Optical Return Loss Meter (ORLM)

Smarter
network
in sight.

EXFO



The MAX-945-NAV-M2042-KIT*

Improve test cycle time and reduce equipment logistics with leading test and measurement gear, approved by the US Navy [[GPETE SCAT 4960, NSN: 6650-01-702-8624](#)].

No need for separate units, all-in-one design replaces both SCAT 4952 and SCAT 4954 and covers:

- OLTS testing - singlemode and multimode
- Singlemode ORL
- Light source and power meter

*MAX-945-NAV-M2042-KIT-NP does not include the probe



Supports US Navy
fiber-optic test
methods.

Configured to support Navy test methodology in MIL-STD-2042. Built-in software to record results.



Includes Navy-
required launch
cables

Kit includes six certified simplex MQJs.



Offers further options
for accessories

Improve kit functionality with additional accessories, such as fiber endface inspection probe.

KITCO is a Navy-certified trainer for installing, maintaining, and troubleshooting shipboard fiber optics. KITCO is a certified supplier of EXFO test solutions.

KITCO
fiber optics

Contact us today to get your kit.

KITCO Fiber Optics
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Navy
approved!



Approved on recommended test equipment
list for Navy shipboard fiber optics.
TS-0004, TS-0005, TS-0006

The MAX-945-NAV-M2042-KIT

The only single unit Navy optical test kit approved for MM, SM and SM ORL optical fiber testing.

MIL-STD-2042C compliance.

Multimode and singlemode insertion loss (IL).

Singlemode Optical Return Loss (ORL) testing.

MIL-STD-2042-6C test methods compliance.

- 6C1 cable assembly link loss test.
- 6E1 cable topology end-to-end attenuation test.
- 6K1 cable assembly return loss test.
- 6L1 cable topology end-to-end return loss test.
- Cleaning material included.
- 6M1 connector inspection probe (optional).

Meets requirements of MIL-STD-1678A and Navy multimode and singlemode launch conditions.

- 6401 singlemode OLTS performance requirements.
 - Configuration A and Configuration B
- 6402 multimode OLTS performance requirements.

Includes required single-strand multimode and singlemode MQJs compliant with NAVSEA Drawing 6877804-05, 6877804-05SME and 6877804-15SME.



FIP-430B-NAV-M2042 inspection probe

Add-on kit provides the capability to inspect the following Navy connector applications:

- M29504/14 & /15 (and other 2 mm) termini installed within or independent of M28876 connectors
- M83522/16 ST connectors (multimode & singlemode) patchcord and bulkhead configurations
- 2.5 mm COTS UPC connectors (i.e., ST, SC, FC) patchcords
- LC (and other 1.25 mm) patchcords
- LC bulkhead adapters

NOTE: Testing as described in this document requires the use of two (2) MAX-945-NAV-M2042 units (a Main unit and a Remote unit) located at opposite ends of the cable under test. A "pair" of MAX-945-NAV-M2042-KIT units are required to perform the testing identified.

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