

### Testing with the FOT-930 MaxTester and FTB-3930 Multitest Modules (OLTS)

This one-day course provides a refresher of fiber-optic theory and an overview of insertion loss (IL) and optical return loss (ORL) testing using optical loss test sets (OLTS). The attendees will learn how to operate the MaxTester and MultiTest instruments in manual and automated (FasTesT) modes.

#### Content

- › Fiber-optic theory review
- › IL measurement techniques
- › ORL measurement techniques
- › Instrument features and functionalities
- › IL measurements using an OLTS
- › ORL measurements using an OLTS
- › Optical talk sets
- › FasTesT option
- › Reference measurements
- › Text messages

#### Pre-Requisites

- › Basic comprehension of physics and mathematics

#### Methodology

The first part of this course consists of lectures using PowerPoint presentations and demonstrations, while the second part consists of specific hands-on testing exercises and experiments focusing mainly on manual and automated IL and ORL measurements. Experiments will also cover other related tools and features such as the optical talk set, text messaging, VFL and FasTesT automated testing.

#### Documentation

Attendees will receive a binder containing copies of presentations and other handouts.

**EXFO Corporate Headquarters** > 400 Godin Avenue, Quebec City (Quebec) G1M 2K2 CANADA | Tel.: +1 418 683-0211 | Fax: +1 418 683-2170 | [info@EXFO.com](mailto:info@EXFO.com)

Toll-free: +1 800 663-3936 (USA and Canada) | [www.EXFO.com](http://www.EXFO.com)

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|-------------------------------|---|--|---------------------------|-------------------------|
| <b>EXFO America</b>           | 3400 Waterview Parkway, Suite 100   | Richardson, TX 75080 USA                   | Tel.: +1 972 761-9271     | Fax: +1 972 761-9067    |
| <b>EXFO Asia</b>              | 100 Beach Road, #22-01/03 Shaw Tower  | SINGAPORE 189702                           | Tel.: +65 6333 8241       | Fax: +65 6333 8242      |
| <b>EXFO China</b>             | 36 North, 3 <sup>rd</sup> Ring Road East, Dongcheng District<br>Room 1207, Tower C, Global Trade Center | Beijing 100013 P. R. CHINA                 | Tel.: + 86 10 5825 7755   | Fax: +86 10 5825 7722   |
| <b>EXFO Europe</b>            | Omega Enterprise Park, Electron Way   | Chandlers Ford, Hampshire S053 4SE ENGLAND | Tel.: +44 23 8024 6810    | Fax: +44 23 8024 6801   |
| <b>EXFO NetHawk</b>           | Elektronikkatie 2   | FI-90590 Oulu, FINLAND                     | Tel.: +358 (0)403 010 300 | Fax: +358 (0)8 564 5203 |
| <b>EXFO Service Assurance</b> | 270 Billerica Road  | Chelmsford, MA 01824 USA                   | Tel.: +1 978 367-5600     | Fax: +1 978 367-5700    |