FTB-2200
Broadband Source for FTB-200 v2
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The information contained in this publication is subject to change without notice.

**Trademarks**

EXFO’s trademarks have been identified as such. However, the presence or absence of such identification does not affect the legal status of any trademark.

**Units of Measurement**

Units of measurement in this publication conform to SI standards and practices.

**Patents**

Feature(s) of this product is/are protected by one or more of US patents 6,612,750 and 8,373,852.

Version number: 2.0.1
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Certification Information

North America Regulatory Statement

This unit was certified by an agency approved in both Canada and the United States of America. It has been evaluated according to applicable North American approved standards for product safety for use in Canada and the United States.

Electronic test and measurement equipment is exempt from FCC part 15, subpart B compliance in the United States of America and from ICES-003 compliance in Canada. However, EXFO Inc. makes reasonable efforts to ensure compliance to the applicable standards.

The limits set by these standards are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the user guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
1 Introducing the FTB-2200 Broadband Source

The FTB-2200 Broadband Source is a polarization scrambled broadband LED source covering the C + L bands. It is ideal for high-accuracy polarization mode dispersion (PMD) measurement and has been specifically designed to be used with EXFO’s FTB-5500B PMD Analyzer.

Typical Applications

This light source is suitable for high-accuracy PMD measurement, quality control, calibration, acceptance testing and loss and return loss testing.
Introducing the FTB-2200 Broadband Source

Conventions

Before using the product described in this guide, you should understand the following conventions:

**WARNING**
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. Do not proceed unless you understand and meet the required conditions.

**CAUTION**
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. Do not proceed unless you understand and meet the required conditions.

**CAUTION**
Indicates a potentially hazardous situation which, if not avoided, may result in component damage. Do not proceed unless you understand and meet the required conditions.

**IMPORTANT**
Refers to information about this product you should not overlook.

For more information on equipment ratings, refer to the *FTB-200 v2 Compact Modular Platform* user guide.
2 Safety Information

**WARNING**
Do not install or terminate fibers while a light source is active. Never look directly into a live fiber and ensure that your eyes are protected at all times.

**WARNING**
The use of controls, adjustments and procedures, namely for operation and maintenance, other than those specified herein may result in hazardous radiation exposure or impair the protection provided by this unit.

**IMPORTANT**
When you see the following symbol on your unit, make sure that you refer to the instructions provided in your user documentation. Ensure that you understand and meet the required conditions before using your product.

**IMPORTANT**
Other safety instructions relevant for your product are located throughout this documentation, depending on the action to perform. Make sure to read them carefully when they apply to your situation.

**WARNING**

Viewing the laser output with certain optical instruments (for example, eye loupes, magnifiers, and microscopes) within a distance of 100 mm may pose an eye hazard.

The following label(s) indicate that the product contains a Class 1M source:
3 Setting Up and Operating the Broadband Source

Inserting and Removing Test Modules

**CAUTION**
Never insert or remove a module while the FTB-200 v2 Compact Modular Platform is turned on. This will result in immediate and irreparable damage to both the module and unit.

**CAUTION**
To avoid damaging your unit, use it only with modules approved by EXFO.

**WARNING**
When the laser safety LED is flashing, at least one of your modules is emitting an optical signal. Please check all modules, as it might not be the one you are currently using.
To insert a module into the FTB-200 v2 Compact Modular Platform:

1. Turn off your unit.

2. Position the unit so that its front panel is facing you.
3. Take the module and place it vertically so that the retaining screw hole is at the left of the connector pins.

**CAUTION**

Inserting a module upside down could result in permanent damage to the module, as the connector pins might be bent.

4. Insert the protruding edges of the module into the grooves of the unit’s module slot.

5. Push the module all the way to the bottom of the slot, until the retaining screw makes contact with the unit casing.

6. Place the unit so that its bottom panel is facing you.
7. While applying slight pressure to the module, lift the mobile part of the retaining screw and use it to turn the retaining screw clockwise until it is tightened.

This will secure the module into its “seated” position.

When you turn on the unit, the startup sequence will automatically detect the module.
To remove a module from the FTB-200 v2 Compact Modular Platform:

1. Turn off your unit.

2. Position the unit so that the bottom panel is facing you.

3. Lift the mobile part of the retaining screw and use it to turn the retaining screw counterclockwise until it stops.

   The module will be slowly released from the slot.

4. Place the unit so that the top panel is facing you.
5. Hold the module by its sides or by the handle (NOT by the connector) and pull it out.

CAUTION
Pulling out a module by a connector could seriously damage both the module and connector. Always pull out a module by its casing.

6. Cover empty slots with the supplied protective covers.
Starting Module Applications

Your modules can be configured and controlled from their dedicated applications in Compact ToolBox.

*To start a module application:*

1. From Compact ToolBox, select the module to use.
   
   It will turn blue to indicate that it is highlighted.

2. Under Applications, select an application, then press Start.

*To start the Power Meter or Probe application:*

From Main Menu, press Power Meter or Probe.
The main window (shown below) contains all the commands required to control the Broadband Source:

[Image of the main window with labels: Display pane, Control Center, Function Tabs]
Cleaning and Connecting Optical Fibers

IMPORTANT

To ensure maximum power and to avoid erroneous readings:

- Always inspect fiber ends and make sure that they are clean as explained below before inserting them into the port. EXFO is not responsible for damage or errors caused by bad fiber cleaning or handling.
- Ensure that your patchcord has appropriate connectors. Joining mismatched connectors will damage the ferrules.

To connect the fiber-optic cable to the port:

1. Inspect the fiber using a fiber inspection microscope. If the fiber is clean, proceed to connecting it to the port. If the fiber is dirty, clean it as explained below.

2. Clean the fiber ends as follows:
   
   2a. Gently wipe the fiber end with a lint-free swab dipped in isopropyl alcohol.
   
   2b. Use compressed air to dry completely.
   
   2c. Visually inspect the fiber end to ensure its cleanliness.
3. Carefully align the connector and port to prevent the fiber end from touching the outside of the port or rubbing against other surfaces.

   If your connector features a key, ensure that it is fully fitted into the port's corresponding notch.

4. Push the connector in so that the fiber-optic cable is firmly in place, thus ensuring adequate contact.

   If your connector features a screwsleeve, tighten the connector enough to firmly maintain the fiber in place. Do not overtighten, as this will damage the fiber and the port.

**Note:** *If your fiber-optic cable is not properly aligned and/or connected, you will notice heavy loss and reflection.*

EXFO uses good quality connectors in compliance with EIA-455-21A standards.

To keep connectors clean and in good condition, EXFO strongly recommends inspecting them with a fiber inspection probe before connecting them. Failure to do so will result in permanent damage to the connectors and degradation in measurements.
Installing the EXFO Universal Interface (EUI)

The EUI fixed baseplate is available for connectors with angled (APC) or non-angled (UPC) polishing. A green border around the baseplate indicates that it is for APC-type connectors.

To install an EUI connector adapter onto the EUI baseplate:

1. Hold the EUI connector adapter so the dust cap opens downwards.
2. Close the dust cap in order to hold the connector adapter more firmly.
3. Insert the connector adapter into the baseplate.
4. While pushing firmly, turn the connector adapter clockwise on the baseplate to lock it in place.
Activating or Deactivating Light Emission

Before activating the source, read the Safety Information on page 3.

**Note:** You should let the source warm up for 30 minutes to obtain optimum wavelength stability.

**To activate or deactivate light emission:**

- Select **ON** to activate the light emission. The ACTIVE LED on the module’s front panel lights up, indicating that the source is active. The data display lights up and two red arrows appear beside the status indicator on the data display, indicating that the source is on.

- Select **OFF** to deactivate the light emission. The ACTIVE LED on the module’s front panel turns off, indicating that the source is off. The status indicator on the data display is dimmed and the two red arrows disappear from the data display.
4 Maintenance

To help ensure long, trouble-free operation:

- Always inspect fiber-optic connectors before using them and clean them if necessary.
- Keep the unit free of dust.
- Clean the unit casing and front panel with a cloth slightly dampened with water.
- Store unit at room temperature in a clean and dry area. Keep the unit out of direct sunlight.
- Avoid high humidity or significant temperature fluctuations.
- Avoid unnecessary shocks and vibrations.
- If any liquids are spilled on or into the unit, turn off the power immediately, disconnect from any external power source, remove the batteries and let the unit dry completely.

**WARNING**

The use of controls, adjustments and procedures, namely for operation and maintenance, other than those specified herein may result in hazardous radiation exposure or impair the protection provided by this unit.
Cleaning Fixed Connectors

Regular cleaning of connectors will help maintain optimum performance. *Do not try to disassemble the unit. Doing so would break the connector.*

**WARNING**
Looking into the optical connector while the light source is active WILL result in permanent eye damage. EXFO strongly recommends to TURN OFF the unit before proceeding with the cleaning procedure.

**To clean fixed connectors:**
1. Fold a lint-free wiping cloth in four to form a square.
2. Moisten the center of the lint-free wiping cloth with *only one drop* of isopropyl alcohol.

**IMPORTANT**
Alcohol may leave traces if used abundantly. Avoid contact between the tip of the bottle and the wiping cloth, and do not use bottles that distribute too much alcohol at a time.

3. Gently wipe the connector threads three times with the folded and moistened section of the wiping cloth.

**IMPORTANT**
Isopropyl alcohol takes approximately ten seconds to evaporate. Since isopropyl alcohol is not absolutely pure, evaporation will leave microscopic residue. Make sure you dry the surfaces before evaporation occurs.

4. With a dry lint-free wiping cloth, gently wipe the same surfaces three times with a rotating movement.
5. Throw out the wiping cloths after one use.

6. Moisten a cleaning tip (2.5 mm tip) with *only one drop* of isopropyl alcohol.

**IMPORTANT**

Alcohol may leave traces if used abundantly. Avoid contact between the tip of the bottle and the cleaning tip, and do not use bottles that distribute too much alcohol at a time.

7. Slowly insert the cleaning tip into the connector until it reaches the ferrule inside (a slow clockwise rotating movement may help).

8. Gently turn the cleaning tip one full turn.

9. Continue to turn as you withdraw the cleaning tip.

10. Repeat steps 7 to 9, but this time with a dry cleaning tip (2.5 mm tip provided by EXFO).

*Note:* 
Make sure you don’t touch the soft end of the cleaning tip and verify the cleanliness of the cotton tip.

11. Throw out the cleaning tips after one use.
Cleaning EUI Connectors

Regular cleaning of EUI connectors will help maintain optimum performance. There is no need to disassemble the unit.

**IMPORTANT**

If any damage occurs to internal connectors, the module casing will have to be opened and a new calibration will be required.

**WARNING**

Looking into the optical connector while the light source is active WILL result in permanent eye damage. EXFO strongly recommends to TURN OFF the unit before proceeding with the cleaning procedure.

To clean EUI connectors:

1. Remove the EUI from the instrument to expose the connector baseplate and ferrule.

2. Moisten a 2.5 mm cleaning tip with *one drop* of isopropyl alcohol (alcohol may leave traces if used abundantly).

3. Slowly insert the cleaning tip into the EUI adapter until it comes out on the other side (a slow clockwise rotating movement may help).
4. Gently turn the cleaning tip one full turn, then continue to turn as you withdraw it.

5. Repeat steps 3 to 4 with a dry cleaning tip.

**Note:** *Make sure you don’t touch the soft end of the cleaning tip.*

6. Clean the ferrule in the connector port as follows:

   6a. Deposit *one drop* of isopropyl alcohol on a lint-free wiping cloth.

   **IMPORTANT**

   *Isopropyl alcohol may leave residues if used abundantly or left to evaporate (about 10 seconds).*

   *Avoid contact between the tip of the bottle and the wiping cloth, and dry the surface quickly.*

   6b. Gently wipe the connector and ferrule.

   6c. With a dry lint-free wiping cloth, gently wipe the same surfaces to ensure that the connector and ferrule are perfectly dry.

   6d. Verify connector surface with a portable fiber-optic microscope (for example, EXFO’s FOMS) or fiber inspection probe (for example, EXFO’s FIP).

7. Put the EUI back onto the instrument (push and turn clockwise).

8. Throw out cleaning tips and wiping cloths after one use.
Recalibrating the Unit

EXFO manufacturing and service center calibrations are based on the ISO/IEC 17025 standard (*General Requirements for the Competence of Testing and Calibration Laboratories*). This standard states that calibration documents must not contain a calibration interval and that the user is responsible for determining the re-calibration date according to the actual use of the instrument.

The validity of specifications depends on operating conditions. For example, the calibration validity period can be longer or shorter depending on the intensity of use, environmental conditions and unit maintenance, as well as the specific requirements for your application. All of these elements must be taken into consideration when determining the appropriate calibration interval of this particular EXFO unit.

Under normal use, the recommended interval for your FTB-2200 Broadband Source is: one year.

For newly delivered units, EXFO has determined that the storage of this product for up to six months between calibration and shipment does not affect its performance (EXFO Policy PL-03).
To help you with calibration follow-up, EXFO provides a special calibration label that complies with the ISO/IEC 17025 standard and indicates the unit calibration date and provides space to indicate the due date. Unless you have already established a specific calibration interval based on your own empirical data and requirements, EXFO would recommend that the next calibration date be established according to the following equation:

Next calibration date = Date of first usage (if less than six months after the calibration date) + Recommended calibration period (one year)

To ensure that your unit conforms to the published specifications, calibration may be carried out at an EXFO service center or, depending on the product, at one of EXFO’s certified service centers. Calibrations at EXFO are performed using standards traceable to national metrology institutes.

**Note:** You may have purchased a FlexCare plan that covers calibrations. See the Service and Repairs section of this user documentation for more information on how to contact the service centers and to see if your plan qualifies.

**Recycling and Disposal (Applies to European Union Only)**

For complete recycling/disposal information as per European Directive WEEE 2012/19/UE, visit the EXFO Web site at [www.exfo.com/recycle](http://www.exfo.com/recycle).
## Solving Common Problems

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source appears unstable.</td>
<td>Insufficient stabilization time.</td>
<td>Wait a minimum of 30 minutes for optimum stabilization.</td>
</tr>
<tr>
<td></td>
<td>Reflection destabilizing the source.</td>
<td>Connect the source using an optical isolator.</td>
</tr>
<tr>
<td></td>
<td>Ambient temperature is varying.</td>
<td>Control ambient temperature.</td>
</tr>
</tbody>
</table>
Troubleshooting

Obtaining Online Help

Obtaining Online Help

An online version of the FTB-2200 Broadband Source user guide is conveniently available at all times from the application.

Note: You will also find a printable PDF version on your installation DVD.

To access online help:
Click the Help button on the function bar.
Contacting the Technical Support Group

To obtain after-sales service or technical support for this product, contact EXFO at one of the following numbers. The Technical Support Group is available to take your calls from Monday to Friday, 8:00 a.m. to 7:00 p.m. (Eastern Time in North America).

Technical Support Group
400 Godin Avenue
Quebec (Quebec) G1M 2K2
CANADA
1 866 683-0155 (USA and Canada)
Tel.: 1 418 683-5498
Fax: 1 418 683-9224
support@exfo.com

For detailed information about technical support, and for a list of other worldwide locations, visit the EXFO Web site at www.exfo.com.

If you have comments or suggestions about this user documentation, you can send them to customer.feedback.manual@exfo.com.

To accelerate the process, please have information such as the name and the serial number (see the product identification label), as well as a description of your problem, close at hand.
You may also be requested to provide software and module version numbers. This information, as well as technical support contact information, can be found in the About function tab.

➤ Select the Technical Support tab to view phone numbers and active Internet links to EXFO’s Technical Support Group. Use these links to send an information request by e-mail or to access EXFO’s web site.

➤ Select the Module Information tab to view the module identification, serial number and firmware version.

Transportation

Maintain a temperature range within specifications when transporting the unit. Transportation damage can occur from improper handling. The following steps are recommended to minimize the possibility of damage:

➤ Pack the unit in its original packing material when shipping.

➤ Avoid high humidity or large temperature fluctuations.

➤ Keep the unit out of direct sunlight.

➤ Avoid unnecessary shocks and vibrations.
6 Warranty

General Information

EXFO Inc. (EXFO) warrants this equipment against defects in material and workmanship for a period of one year from the date of original shipment. EXFO also warrants that this equipment will meet applicable specifications under normal use.

During the warranty period, EXFO will, at its discretion, repair, replace, or issue credit for any defective product, as well as verify and adjust the product free of charge should the equipment need to be repaired or if the original calibration is erroneous. If the equipment is sent back for verification of calibration during the warranty period and found to meet all published specifications, EXFO will charge standard calibration fees.

IMPORTANT

The warranty can become null and void if:

➤ unit has been tampered with, repaired, or worked upon by unauthorized individuals or non-EXFO personnel.

➤ warranty sticker has been removed.

➤ case screws, other than those specified in this guide, have been removed.

➤ case has been opened, other than as explained in this guide.

➤ unit serial number has been altered, erased, or removed.

➤ unit has been misused, neglected, or damaged by accident.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL EXFO BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.
Warranty

Liability

EXFO shall not be liable for damages resulting from the use of the product, nor shall be responsible for any failure in the performance of other items to which the product is connected or the operation of any system of which the product may be a part.

EXFO shall not be liable for damages resulting from improper usage or unauthorized modification of the product, its accompanying accessories and software.

Exclusions

EXFO reserves the right to make changes in the design or construction of any of its products at any time without incurring obligation to make any changes whatsoever on units purchased. Accessories, including but not limited to fuses, pilot lamps, batteries and universal interfaces (EUI) used with EXFO products are not covered by this warranty.

This warranty excludes failure resulting from: improper use or installation, normal wear and tear, accident, abuse, neglect, fire, water, lightning or other acts of nature, causes external to the product or other factors beyond the control of EXFO.

IMPORTANT

In the case of products equipped with optical connectors, EXFO will charge a fee for replacing connectors that were damaged due to misuse or bad cleaning.

Certification

EXFO certifies that this equipment met its published specifications at the time of shipment from the factory.
Service and Repairs

EXFO commits to providing product service and repair for five years following the date of purchase.

To send any equipment for service or repair:

1. Call one of EXFO’s authorized service centers (see EXFO Service Centers Worldwide on page 32). Support personnel will determine if the equipment requires service, repair, or calibration.

2. If equipment must be returned to EXFO or an authorized service center, support personnel will issue a Return Merchandise Authorization (RMA) number and provide an address for return.

3. If possible, back up your data before sending the unit for repair.

4. Pack the equipment in its original shipping material. Be sure to include a statement or report fully detailing the defect and the conditions under which it was observed.

5. Return the equipment, prepaid, to the address given to you by support personnel. Be sure to write the RMA number on the shipping slip. EXFO will refuse and return any package that does not bear an RMA number.

Note: A test setup fee will apply to any returned unit that, after test, is found to meet the applicable specifications.

After repair, the equipment will be returned with a repair report. If the equipment is not under warranty, you will be invoiced for the cost appearing on this report. EXFO will pay return-to-customer shipping costs for equipment under warranty. Shipping insurance is at your expense.

Routine recalibration is not included in any of the warranty plans. Since calibrations/verifications are not covered by the basic or extended warranties, you may elect to purchase FlexCare Calibration/Verification Packages for a definite period of time. Contact an authorized service center (see EXFO Service Centers Worldwide on page 32).
EXFO Service Centers Worldwide

If your product requires servicing, contact your nearest authorized service center.

EXFO Headquarters Service Center
400 Godin Avenue Quebec (Quebec) G1M 2K2
CANADA
1 866 683-0155 (USA and Canada)
Tel.: 1 418 683-5498
Fax: 1 418 683-9224
support@exfo.com

EXFO Europe Service Center
Winchester House, School Lane Chandlers Ford, Hampshire S053 4DG
ENGLAND
Tel.: +44 2380 246800
Fax: +44 2380 246801
support.europe@exfo.com

EXFO Telecom Equipment
(Shenzhen) Ltd.
3rd Floor, Building 10, Yu Sheng Industrial Park (Gu Shu Crossing), No. 467,
National Highway 107, Xixiang, Bao An District,
Shenzhen, China, 518126
Tel: +86 (755) 2955 3100
Fax: +86 (755) 2955 3101
support.asia@exfo.com
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## NOTICE

**CHINESE REGULATION ON RESTRICTION OF HAZARDOUS SUBSTANCES**

中国关于危害物质限制的规定

**NAMES AND CONTENTS OF THE TOXIC OR HAZARDOUS SUBSTANCES OR ELEMENTS CONTAINED IN THIS EXFO PRODUCT**

包含在本EXFO产品中的有毒有害物质或元素的名称和含量

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Toxic or hazardous Substances and Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lead (Pb)</td>
</tr>
<tr>
<td>Enclosure</td>
<td>O</td>
</tr>
<tr>
<td>Electronic and electrical sub-assembly</td>
<td>X</td>
</tr>
<tr>
<td>Optical sub-assembly a</td>
<td>X</td>
</tr>
<tr>
<td>Mechanical sub-assembly a</td>
<td>O</td>
</tr>
</tbody>
</table>

| a. If applicable.          | O         | O            | O            | O                          | O                              | O                              |

---

O Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.

表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006标准规定的限量要求以下。

X Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.

表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求。
## MARKING REQUIREMENTS
标注要求

<table>
<thead>
<tr>
<th>Product</th>
<th>Environmental protection use period (years)</th>
<th>Logo</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Exfo product</td>
<td>10</td>
<td><img src="image" alt="10" /></td>
</tr>
<tr>
<td>本 EXFO 产品</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery⁠&lt;sup&gt;a&lt;/sup&gt;</td>
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<sup>a</sup> If applicable.
如果适用。

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![Image](image)
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<th>City, Province/State/Country</th>
<th>Phone</th>
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<tr>
<td>CORPORATE HEADQUARTERS</td>
<td>400 Godin Avenue, Quebec (Quebec) G1M 2K2 CANADA</td>
<td></td>
<td>Tel.: 1 418 683-0211 · Fax: 1 418 683-2170</td>
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<td>EXFO AMERICA</td>
<td>3400 Waterview Parkway Suite 100, Richardson, TX 75080 USA</td>
<td>Richardson, TX 75080 USA</td>
<td>Tel.: 1 972-761-927 · Fax: 1 972-761-9067</td>
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<td>Chandlers Ford, Hampshire</td>
<td>Tel.: +44 2380 246 800 · Fax: +44 2380 246 801</td>
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<tr>
<td>EXFO ASIA-PACIFIC</td>
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<td>SINGAPORE 189702</td>
<td>Tel.: +65 6333 8241 · Fax: +65 6333 8242</td>
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<td>EXFO CHINA</td>
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<td>Beijing 100013 P. R. CHINA</td>
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<tr>
<td>EXFO SERVICE ASSURANCE</td>
<td>270 Billerica Road, Chelmsford MA, 01824 USA</td>
<td>Chelmsford, MA 01824 USA</td>
<td>Tel.: 1 978 367-5600 · Fax: 1 978 367-5700</td>
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<tr>
<td>EXFO FINLAND</td>
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<td>Oulu, FINLAND</td>
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</tr>
<tr>
<td>TOLL-FREE</td>
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