

## Optical Transmission Test

# Agilent E6000C Mini-OTDR

## Agilent E6092A Toolkit III

Quickly Obtain Your Fiber's Signature



# E6000C Mini-OTDR - E6092A Toolkit III

The Mini-OTDR starts making installation and commissioning easier before you even switch it on. We have trimmed the weight and size to make it easy to carry, put it in a rugged, weather-tolerant housing so you don't need to worry about conditions, and made it rugged by design so it can take the rough and tumble of getting it where you need it.

And when you get there, a user and task oriented interface offers productive support for qualifying large numbers of fibers in minimal time. The Mini-OTDR is intuitive to use, quick to measure and easy to integrate into your installation process.

## Acceptance documentation

The effective way to amplify the usefulness of your Mini-OTDR is by applying the post-processing capacity of the Agilent E6092A OTDR Toolkit III. The Toolkit is a powerful but easy to use Windows software that connects to the Mini-OTDR to collect, analyze, organize

and store the traces, and to produce the documentation you need.

Together, Agilent's Mini-OTDR and the Toolkit provide the precise mixture of comfort and performance that make them an unbeatable productivity boost for everybody from untrained operators to commissioning engineers.

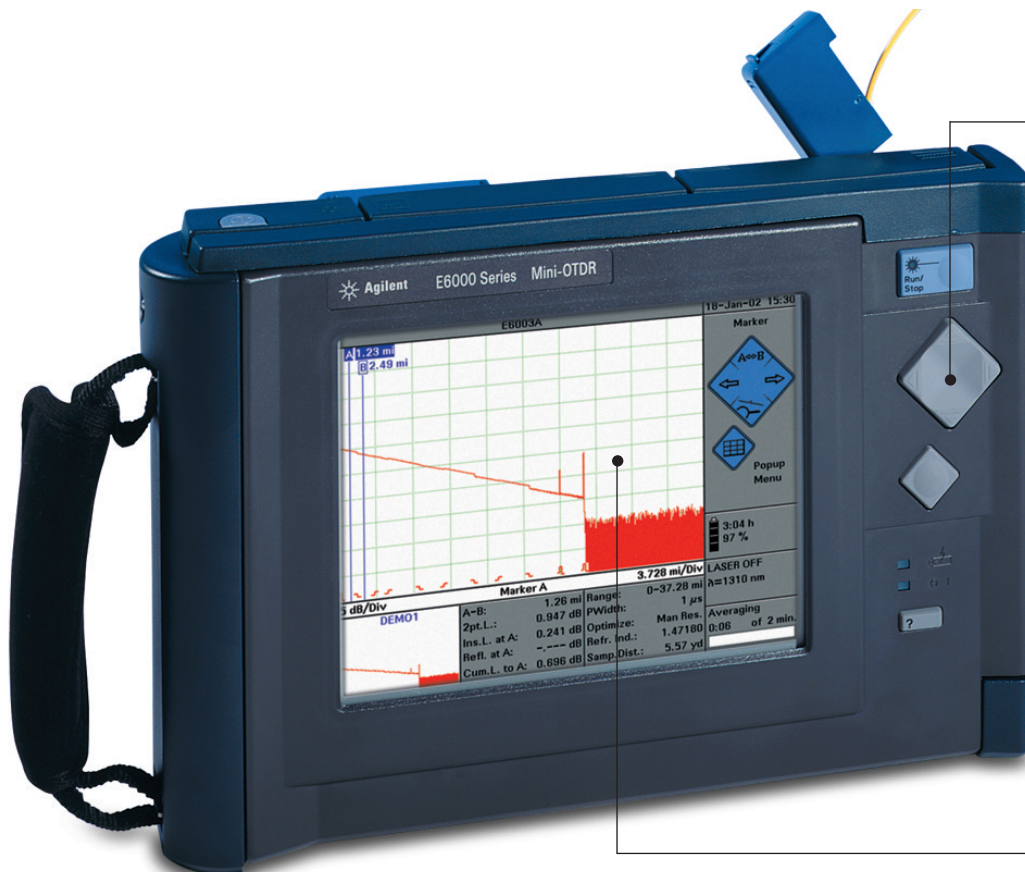
## Project support

The Toolkit III provides a comprehensive set of features to lighten your project workload. A project creation wizard gets the bureaucracy under control from the

beginning. Automatic trace labeling, powerful trace loading filters and batch processing help you turn your OTDR data into acceptance reports in your customer's format, work orders for splice crews, or Microsoft Excel data for further use and scrutiny.

## A range of analyses

The Toolkit III can access and process (or batch-process) the data from the Mini-OTDR to perform two-way averages, to compare up to 96 traces, and to analyze events such as splices and connectors, or fiber attenuation.



## Ease of use

Single button operation, presets and macros for different fiber types or measurement conditions, an OTDR Assistant to guide untrained users, and a "scan trace" that provides a pass/fail result, make the Mini-OTDR a valuable addition to your equipment pool.

## Modular design

A range of plug-in modules for different wavelengths and measurements make the Mini-OTDR easy to adapt to the task on hand, and easy to adapt to new demands.

## High-Visibility screen

A brilliant, high-resolution display makes the Mini-OTDR just as usable outdoors as in.



**Accessories**

- Compact keyboard for fast reports and text entry
- Water- and shock-resistant carry case for mainframe, modules and accessories
- Full range of standard connectors (FC/PC, SC, ST, E2000, D4, HMS10, DIN, BICONIC, APC)



**Your multifunctional maintenance tool**

Keeping a network running or getting a fiber or cable back up takes more than speed and precision. Having the right application on hand makes the difference. Agilent’s Mini-OTDR provides a selection of tools and features for experts and beginners alike that speed up preventive maintenance and repair.

- Fiber Break Locator to quickly find breaks and bends.
- Locate and characterize splice and connector losses.
- Multifiber testing for fast high-count cable qualification.
- With the built-in light source and the power meter module you can perform power and loss measurement.
- Graphical representation of measurement results in event tables, showing loss and reflection, and pass/fail results.
- Data transfer is ensured due to certified Bellcore/Telcordia GR-196-CORE standard – your investment is protected
- Visual Fault Finder to check patch cords for light leakage.

**Service and support**

- Worldwide sales office and online assistance support.

**Calibration warranty**

- Standard 2 year guarantee, with an optional 3-year or 5-year calibration warranty.

**We speak your language**

- 16 languages are available on the support CD, and up to 4 languages of your choice can be loaded onto the Mini-OTDR at any one time, including help text.

**Multi-Fiber testing**

The Mini-OTDR speeds and eases multi-fiber test by integrating multi-fiber functionality into the user interface, and automatically assigning appropriate file names and fiber numbers to the stored results – particularly useful in conjunction with the OTDR Toolkit III software – and stored on a PCM Flashdisk.

**KEY SPECIFICATIONS**

- Weight 2.9kg (6.4lb)
- Modular Construction
  - Single Mode Modules for 1310nm, 1550nm, 1625nm, 1310/1550nm, 1550/1625nm
  - Multimode Modules for 850/1300nm
  - Power meter sub-module calibrated for all standard wavelengths,
  - Visual faultfinder sub-module
  - Range of optical connectors
- Connector and splice losses can be localized within 8 cm, even at a distance of 150 km
- High dynamic range – 45dB.
- Flash disk storage for 13,000 OTDR traces.
- Boots up in 15 seconds.
- Battery operation 8 hours.

**Mini-OTDR Module Classes: Agilent’s Recommendation**

| Link length      | 50 km          | 100 km         | 150 km         | 200 km and more |
|------------------|----------------|----------------|----------------|-----------------|
| <b>Test time</b> |                |                |                |                 |
| 180 sec          | E6004A<br>30dB | E6003A<br>35dB | E6003B<br>40dB | E6008B<br>45dB  |
| 40 sec           | E6003A<br>35dB | E6003B<br>40dB | E6008B<br>45dB |                 |
| 10 sec           | E6003B<br>40dB | E6008B<br>45dB |                |                 |
| 2 sec            | E6008B<br>45dB |                |                |                 |

**XPI**

You’re expected to do more with less – provide results faster with fewer resources, increase network performance, boost ROI, rapidly roll out new services – deliver eXtreme Productivity Improvements (XPI). Agilent XPI solutions help you drastically cut the time and cost of installing, testing and maintaining your communications networks. Together with Agilent, gain the eXtreme Productivity Improvements that your business demands!

# Agilent E6000C Mini-OTDR Agilent E6092A Toolkit III

Quickly Obtain Your Fiber's Signature

### Choose your level of expertise

While we are proud that presets, automatic fiber characterization, and a range of reference and interactive help systems make the Mini-OTDR a tool that can be used by an untrained technician, this has not been done at the expense of the advanced user. A selectable user experience level, and full access to all the parameters of a measurement make the Mini-OTDR a flexible tool in any hands.

### Bundled to meet your application needs

Our commitment to your productivity starts with prepared bundles to match the Mini-OTDR to your application, so you can get up and running as quickly as possible. Agilent's modular approach to connectors and OTDR accessories gives you the flexibility to adapt your equipment as the need arises.

### The installation bundle E6032A

includes the Mini-OTDR mainframe with color display, a 1310/1550 OTDR module 45dB, a 64 MB compact flashcard and PCMCIA adapter, PC Reader Scan Disk®, a compact keyboard and the Toolkit III.

### The maintenance bundle E6031A

includes the Mini-OTDR mainframe with color display, a 1310/1550 OTDR module 40dB, the power meter sub module and the Toolkit III.

### Agilent E6000C Mini-OTDR Information

| Wavelength       | Dynamic Range (dB) | Event Deadline | Attenuation Dead Zone | Recommended Application | Fiber Type  | Module |
|------------------|--------------------|----------------|-----------------------|-------------------------|-------------|--------|
| 1310nm           | 30dB               | 3m             | 10m                   | Metropolitan            | Single-Mode | E6001A |
| 1310/1550nm      | 30/30dB            | 3m             | 10/12m                | Metropolitan            | Single-Mode | E6004A |
| 1310/1550nm      | 35/34dB            | 3m             | 10/12m                | Metropolitan/Trunk      | Single-Mode | E6003A |
| 1310/1550nm      | 40/39dB            | 3m             | 10/12m                | Metropolitan/Trunk      | Single-Mode | E6003B |
| 1310/1550nm      | 45/43dB            | 3m             | 10/12m                | Trunk/Undersea          | Single-Mode | E6008B |
| 1550/1625nm      | 43/40dB            | 3m             | 12m/14m               | Trunk/Undersea          | Single-Mode | E6012A |
| 850/1300nm       | 18/23dB            | 3m             | 10m                   | LAN                     | Multimode   | E6009A |
| 850/1300nm       | 26/34dB            | 3m             | 10m                   | LAN                     | Multimode   | E6005A |
| 1310/1550/1625nm | 45/43/40dB         | 3m             | 10/12/14m             | Metropolitan            | Single Mode | E6013A |

Together with Agilent, gain the eXtreme Productivity  
Improvements that your business demands!

[www.agilent.com/comms/XPI](http://www.agilent.com/comms/XPI)

## XPI

**Argentina**  
+54 11 5811 7115

**Australia**  
1800 629 485

**Austria**  
+43 (01)25 125 7006

**Belgium**  
+32 (0) 2 404 9340

**Brazil**  
+55 11 4197 3600

**Canada-English**  
877 894 4414

**Canada-French**  
877 894 4414

**China**  
800 810 0189

**Denmark**  
+45 70 13 15 15

**Finland**  
+358 (0) 10 855 2100

**France**  
+33 (0) 825 010 700

**Germany**  
+49 (0) 18 05 24 63 33

**Hong Kong**  
800 930 871

**India**  
1600 112 929

**Ireland**  
+353 1890 924 204

**Israel**  
+972 3 6892 500

**Italy**  
+39 02 92 60 8484

**Japan**  
0120 421 345

**Luxemborg**  
+32 (0) 2 404 9340

**Malaysia**  
1800 888 848

**Mexico**  
+52 01800 506 4800

**Netherlands**  
+31 (0) 20 5472111

**Norway**  
+47 23 25 3720

**Philippines**  
1800 1651 0170

**Poland**  
+48 22 723 0066

**Russia**  
+7 095 797 3963

**Singapore**  
1800 375 8100

**South Korea**  
080 769 0800

**Spain**  
+34 91 631 3300

**Sweden**  
0200 88 22 55

**Switzerland-German**  
+41 (0) 1 735 9300

**Switzerland-Italian**  
+39 (0) 2 92 60 8484

**Switzerland-French**  
+33 (0) 825 010 700

**Taiwan**  
0800 047 866

**Thailand**  
1800 226 008

**United Kingdom**  
+44 (0) 7004 666666

**USA**  
800 452 4844



5988-2238EN

This information is subject to change without notice.

© Agilent Technologies, Inc. 2002  
Printed in UK October 2002 (C+C)



Agilent Technologies