



Mills Limited
Unit 2,
Zodiac Business Park,
High Road,
Cowley
Uxbridge
UB8 2GU

Contact us on:
Tel: 020 8833 2626
Fax: 020 8833 2600
Email: sales@millsltd.com

Company No. 00282704
VAT No. 227082574

EXFO MAX-730D-SM3 OTDR 1310/1550/1625nm

Product Images

Product Code: C00-0208





Short Description

Fully featured, entry-level, dedicated OTDR with tablet-inspired design, suitable for metro and optimised to test through optical splitters, for seamless end-to-end FTTH characterisation and troubleshooting.

Key Features

Rugged, handy, lightweight, tablet-inspired design built for outside plant
7-inch, outdoor-enhanced touchscreen—the biggest in the handheld industry
12-hour autonomy

Dynamic range up to 39 dB for up to 132 km point-to-point (P2P)

Short dead zones: event dead zone (EDZ) 0.5 m, attenuation dead zone (ADZ) 2.2 m, PON dead zone 30 m

FTTx in-service testing at 1650 nm with optional in-line GPON/XGS-PON power meter

Swap-Out connector, replaceable whenever necessary for optimal performance over time without undue service cost and downtime

iOLM-ready: one-touch multiple acquisitions, with clear go/no-go results presented in a

straightforward visual format

Industry-leading onboard PDF reporting and post-processing, included for all users

3-year warranty

Applications

FTTx/PON testing through splitters (up to 1×128)

FTTx service activation: GPON, EPON, XGS-PON, 10GE EPON

Access network testing (P2P)

Metro links testing (P2P)

Live fibre troubleshooting

Passive optical LAN (POL)

The Handheld OTDR with Proven Performance

The MaxTester 700D Series builds on the proven tablet-inspired, lightweight and rugged OTDR MaxTester platform.

The familiar 7-inch, outdoor-enhanced touchscreen continues to deliver an unprecedented user experience with its intuitive Windows-like GUI ensures a fast learning curve.

The OTDR environment offers icon-based functions, instant boot-up, automatic macrobend finders as well as improved auto and real-time modes.

The MaxTester 700D Series is a line of genuine high-performance OTDRs from the world's leading manufacturer.

It delivers EXFO's tried and true OTDR quality and accuracy along with the best optical performance for right-first-time results, every time.

The amazing 12-hour battery life will never let a technician down, and the plug-and-play hardware options, like the VFL, power meter and USB tools, make every technician's job easier.

Most importantly, the MaxTester 700D Series comes with the intelligent Optical Link Mapper (iOLM), an intelligent OTDR-based application.

This advanced software turns even the most complex trace analysis into a simple, one-touch task.

Ultimately, the MaxTester 700D Series is small enough to fit in your hand and big enough to fit all your needs!

Entry-Level Solution Designed for All Your Testing Needs

The MaxTester 730D PON/metro OTDR is optimised to test through optical splitters up to 1×128, ensuring complete end-to-end FTTH characterisation.

Plus, its high dynamic range makes it suitable for metro P2P testing.

The 1650-nm, out-of-band, live testing capabilities enable efficient troubleshooting of active networks without impacting the signal of other clients.

Swap Out Connector

The MaxTester 700D OTDR Series comes with a Swap-Out connector which can easily be changed, as and when needed, without having to send the test unit to a service centre. This ensures optimal performance over time without undue maintenance costs and downtime.

The OTDR's optical connector health can be checked with an onboard diagnostic tool to

replace the connector only when necessary.

Secure Your Investment Against Theft

Protected instruments have no value on the black market making them completely unappealing to thieves. With our security management option, administrators can define and load a tamper-proof security profile on the MaxTester, displaying a property message on the home screen and securing it with a user password (permanent or renewable).

Icon Based Mapping

Linear view (included with all EXFO OTDRs)

Available on Exfo OTDRs since 2006, the linear view simplifies the reading of an OTDR trace by displaying icons in a linear way for each wavelength.

This view converts the graph data points obtained from a traditional single pulse trace into reflective, non-reflective or splitter icons.

With applied pass/fail thresholds, it becomes easier to pinpoint faults on your link.

This improved linear view offers you the flexibility to display both the OTDR graph and its linear view without having to perform a toggle to analyse your fibre link.

Although this linear view simplifies OTDR interpretation of a single pulse-width trace, the user must still set the OTDR parameters.

In addition, multiple traces must often be performed in order to fully characterise the fibre links.

Technical Specifications

Display 7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT

Interfaces Two USB 2.0 ports

RJ45 LAN 10/100 Mbit/s

Storage 2 GB internal memory (20 000 OTDR traces, typical)

Batteries Rechargeable lithium-polymer battery

12 hours of operation as per Telcordia (Bellcore) TR-NWT-001138

Power supply Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz

Wavelength (nm) b 1310 ± 20/1550 ± 20/1625 ± 10/1650 ± 15

Live wavelength (nm) 1650

Isolation: 50 dB from 1265 nm to 1617 nm

Dynamic range (dB) c 39/38/39/39

Event dead zone (m) d 0.5

Attenuation dead zone (m) e 2.2

PON dead zone (m) f 30

Distance range (km) 0.1 to 400

Pulse width (ns) 3 to 20 000

Linearity (dB/dB) ±0.03

Loss threshold (dB) 0.01

Loss resolution (dB) 0.001

Sampling resolution (m) 0.04 to 10

Sampling points Up to 256 000

Distance uncertainty (m) g ±(0.75 + 0.0025 % x distance + sampling resolution)

Measurement time User-defined

Reflectance accuracy (dB) b ±2

Typical real-time refresh (Hz) 4

See datasheet for further details

Description

Fully featured, entry-level, dedicated OTDR with tablet-inspired design, suitable for metro and optimised to test through optical splitters, for seamless end-to-end FTTH characterisation and troubleshooting.

Key Features

Rugged, handy, lightweight, tablet-inspired design built for outside plant
7-inch, outdoor-enhanced touchscreen—the biggest in the handheld industry
12-hour autonomy
Dynamic range up to 39 dB for up to 132 km point-to-point (P2P)
Short dead zones: event dead zone (EDZ) 0.5 m, attenuation dead zone (ADZ) 2.2 m, PON dead zone 30 m
FTTx in-service testing at 1650 nm with optional in-line GPON/XGS-PON power meter
Swap-Out connector, replaceable whenever necessary for optimal performance over time without undue service cost and downtime
iOLM-ready: one-touch multiple acquisitions, with clear go/no-go results presented in a straightforward visual format
Industry-leading onboard PDF reporting and post-processing, included for all users
3-year warranty

Applications

FTTx/PON testing through splitters (up to 1×128)
FTTx service activation: GPON, EPON, XGS-PON, 10GE EPON
Access network testing (P2P)
Metro links testing (P2P)
Live fibre troubleshooting
Passive optical LAN (POL)

The Handheld OTDR with Proven Performance

The MaxTester 700D Series builds on the proven tablet-inspired, lightweight and rugged OTDR MaxTester platform.

The familiar 7-inch, outdoor-enhanced touchscreen continues to deliver an unprecedented user experience with its intuitive Windows-like GUI ensures a fast learning curve.

The OTDR environment offers icon-based functions, instant boot-up, automatic macro bend finders as well as improved auto and real-time modes.

The MaxTester 700D Series is a line of genuine high-performance OTDRs from the world's leading manufacturer.

It delivers EXFO's tried and true OTDR quality and accuracy along with the best optical performance for right-first-time results, every time.

The amazing 12-hour battery life will never let a technician down, and the plug-and-play hardware options, like the VFL, power meter and USB tools, make every technician's job easier.

Most importantly, the MaxTester 700D Series comes with the intelligent Optical Link Mapper (iOLM), an intelligent OTDR-based application.

This advanced software turns even the most complex trace analysis into a simple, one-touch task.

Ultimately, the MaxTester 700D Series is small enough to fit in your hand and big enough to fit all your needs!

Entry-Level Solution Designed for All Your Testing Needs

The MaxTester 730D PON/metro OTDR is optimised to test through optical splitters up to 1×128, ensuring complete end-to-end FTTH characterisation.

Plus, its high dynamic range makes it suitable for metro P2P testing.

The 1650-nm, out-of-band, live testing capabilities enable efficient troubleshooting of active networks without impacting the signal of other clients.

Swap Out Connector

The MaxTester 700D OTDR Series comes with a Swap-Out connector which can easily be changed, as and when needed, without having to send the test unit to a service centre. This ensures optimal performance over time without undue maintenance costs and downtime.

The OTDR's optical connector health can be checked with an onboard diagnostic tool to replace the connector only when necessary.

Secure Your Investment Against Theft

Protected instruments have no value on the black market making them completely unappealing to thieves. With our security management option, administrators can define and load a tamper-proof security profile on the MaxTester, displaying a property message on the home screen and securing it with a user password (permanent or renewable).

Icon Based Mapping

Linear view (included with all EXFO OTDRs)

Available on Exfo OTDRs since 2006, the linear view simplifies the reading of an OTDR trace by displaying icons in a linear way for each wavelength.

This view converts the graph data points obtained from a traditional single pulse trace into reflective, non-reflective or splitter icons.

With applied pass/fail thresholds, it becomes easier to pinpoint faults on your link.

This improved linear view offers you the flexibility to display both the OTDR graph and its linear view without having to perform a toggle to analyse your fibre link.

Although this linear view simplifies OTDR interpretation of a single pulse-width trace, the user must still set the OTDR parameters.

In addition, multiple traces must often be performed in order to fully characterise the fibre links.

Technical Specifications

Display 7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT

Interfaces Two USB 2.0 ports

RJ45 LAN 10/100 Mbit/s

Storage 2 GB internal memory (20 000 OTDR traces, typical)
Batteries Rechargeable lithium-polymer battery
12 hours of operation as per Telcordia (Bellcore) TR-NWT-001138
Power supply Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz
Wavelength (nm) b 1310 ± 20/1550 ± 20/1625 ± 10/1650 ± 15
Live wavelength (nm) 1650
Isolation: 50 dB from 1265 nm to 1617 nm
Dynamic range (dB) c 39/38/39/39
Event dead zone (m) d 0.5
Attenuation dead zone (m) e 2.2
PON dead zone (m) f 30
Distance range (km) 0.1 to 400
Pulse width (ns) 3 to 20 000
Linearity (dB/dB) ±0.03
Loss threshold (dB) 0.01
Loss resolution (dB) 0.001
Sampling resolution (m) 0.04 to 10
Sampling points Up to 256 000
Distance uncertainty (m) g $\pm(0.75 + 0.0025 \% \times \text{distance} + \text{sampling resolution})$
Measurement time User-defined
Reflectance accuracy (dB) b ±2
Typical real-time refresh (Hz) 4

See datasheet for further details