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Optical Time Domain Reflectometer Market - Forecasts from 2018 to 2023

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Abstracts

The global optical time domain reflectometer market was valued at US$239.614 million in 2017 and is projected to expand at a CAGR of 11.72% over the forecast period to reach US$465.933 million by 2023. An optical time domain reflectometer (OTDR) is an optoelectronic instrument used to characterize an optical fiber by injecting a series of optical pulses into the fiber under test. It is an important instrument used by organizations to certify the performance of new fiber optics links and detect the problem with existing fiber links. The demand for OTDR devices is increasing due to the evolving enterprise network and data center architectures across the globe. As enterprises consume more storage resources and adopt higher bandwidth data center architecture, the resilience of the cabling infrastructure becomes highly dependent on OTDR's as to ensure fiber reliability. The global optical time domain reflectometer market is expected to show an impressive growth owing to the increasing number of data centers and expanding telecom infrastructure across the globe.

By Number of modes

By the number of modes, the global optical time domain reflectometer market has been segmented into single mode OTDR and multimode OTDR. Depending upon the configuration of the optical network system, optical time domain reflectometer is deployed to maintain the fiber network performance.

By Type

By the type of device, the global optical time domain reflectometer market has been segmented into benchtop, handheld, and rack-mounted OTDR's. Handheld OTDR's are in demand due to their miniature size and enhanced capabilities like automatic multiple wavelength testing, file save to a USB flash drive and advanced cursor placement.

By End User

By End-users, the global optical time domain reflectometer market has been segmented

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into Telecommunication, Aerospace, Military and Enterprise network & datacenters. Enterprise network and data centers are expected to expand across various regions in the upcoming years which will boost the optical time domain reflectometer market growth.

By Geography

Geographically, the global optical time domain reflectometer market has been segmented into North America, Europe, Middle East & Africa, Asia-Pacific, and South America region. North America dominates the optical time domain reflectometer market owing to the increasing number of telecom infrastructure along with increased renovation in the US, where many global leaders are involved in creating optical fiber network to achieve their pursuit for 5G implementation.

Competitive Intelligence

The Global Optical Time Domain Reflectometer market is competitive owing to the presence of well-diversified global and regional players. The global key players are Viavi Solutions Inc., EXFO Inc., Anritsu, Fluke Corporation, Corning Incorporated, Yokogawa Test & Measurement Corporation, Kingfisher International Pty Ltd, AFL, TEKTRONIX, INC., and Anderson Corporation Pty Ltd.

Segmentation

The Global Optical Time Domain Reflectometer market has been analyzed through the following segments:

By Number of modes

Single mode OTDR

Multimode OTDR

By Type

Benchtop

Handheld

Rack mounted

By End-User Industry

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- Communication and Technology
- Aerospace
- Military
- Others

By Geography

- North America
  - United States
  - Canada
  - Mexico
  - Others
- South America
  - Brazil
  - Argentina
  - Others
- Europe
  - Germany
  - France
  - Italy
  - United Kingdom
  - Others

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Middle East and Africa

Israel

Saudi Arabia

UAE

Others

Asia Pacific

Japan

China

India

Australia

South Korea

Others

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