COETZER OPTICAL SYSTEMS (Pty) Ltd

Which company makes reliable intelligent optical attenuators

Overview

This section provides an overview for optical attenuators as well as their applications and principles.

Key Takeaways

Top manufacturers of intelligent optical attenuators include Viavi Solutions, DiCon Fiberoptics, ARCoptix, Santec, EXFO, and Keysight Technologies, offering high-precision, motorized, and MEMS-based solutions.Leading Manufacturers

Viavi Solutions, Inc. – Based in Arizona, USA, Viavi produces network testing and measurement products, including optical attenuators for telecom, data center, and IT applications. Their solutions often include cloud-native software for automation and quality assurance, making them suitable for intelligent, integrated systems . DiCon Fiberoptics – Founded in California, DiCon specializes in fiber optic components and switching solutions. They offer variable optical attenuators with precise control, suitable for laboratory and industrial applications . ARCoptix S.A. – A Swiss company providing high-performance optical components, including motorized and variable attenuators for research and WDM systems. Their products are known for low insertion loss and high repeatability . Santec Corporation – A Japanese manufacturer with global subsidiaries, Santec offers optical test equipment and devices, including tunable and variable optical attenuators. Their intelligent attenuators support automated testing and integration with optical networks . EXFO – A Canadian company specializing in network testing and monitoring, EXFO provides variable optical attenuators with built-in power monitoring and fast response, suitable for intelligent optical systems . Keysight Technologies – Offers MEMS-based variable optical attenuators with advanced power stabilization, low insertion loss, and software-controlled operation, ideal for laboratory and high-speed communication testing .

Additional Considerations

When selecting a manufacturer, consider:

• Adjustability and control: Motorized or MEMS-based attenuators allow precise, programmable attenuation.

• Wavelength compatibility: Ensure the attenuator supports your operating wavelength (e.g., 850–1550 nm for fiber-optic systems).

• Integration and software support: Intelligent attenuators often include software APIs for automated testing or network management.

• Quality and certification: ISO-certified facilities and documented reliability (e.g., 1,000+ mating cycles) ensure consistent performance .

• Customer support and warranty: Manufacturers offering ≥2-year warranties and rapid replacement services are preferable for critical applications . These manufacturers provide a range of intelligent optical attenuators suitable for telecom, laboratory, industrial, and WDM applications, with options for both fixed and variable attenuation, high-speed response, and software integration.

Article Content

23 Optical Attenuator Manufacturers in 2026

This section provides an overview for optical attenuators as well as their applications and principles. Also, please take a look at the

Top 10 Optical Attenuator Brand & Manufacturers

EXFO is a trusted advisor, and its customers include fixed and mobile network operators, hyperscale data centers, and leaders in

Optical Attenuators | Keysight

Keysight optical attenuators provide precise control of optical signal power for accurate and repeatable optical component testing.

Industry-leading Optical Switches/Attenuators

Under the Agiltron brand name, we engineer best-in-class optical and electro-optical products built on over 25 years of intensive R&D

Which company makes reliable intelligent optical attenuators ...

Top manufacturers of intelligent optical attenuators include Viavi Solutions, DiCon Fiberoptics, ARCoptix, Santec, EXFO, and

Optical Attenuators – Buyer''s Guide & Supplier List | RP Photonics

This buyer''s guide for optical attenuators provides technical background, comparison of major types, selection criteria, and an

Variable Optical Attenuators – Buyer''s Guide & Suppliers

This buyer''s guide for variable optical attenuators provides technical background, comparison of major types, selection criteria, and

Variable Optical Attenuators

Variable optical attenuators, used in fiber communications, vary light attenuation. The article discusses operation principles and

MATRIQ Variable Optical Attenuator

The VOA MATRIQ Series is a MEMS-based variable optical attenuator with fast attenuation speed, low insertion loss and in-built

Attenuators

VIAVI offers the industry''s most complete range of optical attenuators for installation and maintenance of singlemode and multimode

Fiber Optic Attenuators | Precision Signal Control Tools

Here, the fiber optic attenuator single mode ensures each wavelength maintains its integrity by reducing power discrepancies across

Optical attenuator

An optical attenuator, or fiber optic attenuator, is a device used to reduce the power level of an optical signal, either in free space or

Handheld Variable Optical Attenuators | Kingfisher International

Products - Attenuators Our accurate variable optical attenuators have a great feature set: easy to use, high-end overall specifications

SmartClass OLA-54/-55/-55M Optical Level Attenuators

The OLA-55M Motorized Optical Level Attenuator provides in addition an implemented power meter for stabilized level controller

Optical Attenuators

Optical attenuators are usually of two types: fixed attenuation or adjustable attenuation. Fixed attenuation value optical attenuator

Attenuators

Attenuators Optical attenuators reduce and control signal strength in fiber networks for precise power balancing. They prevent

Optical Attenuator Fiber Systems 65dBm Range 260K LCD Display –

Optical Attenuator efficiently measures fiber optic parameters and tests FTTX, providing reliable performance for short-distance fiber

Optical Attenuators Market Trend And Forecast 2035

In-line Optical Attenuators - Installed directly in the fiber link for continuous and reliable attenuation in telecom and enterprise

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