NEW

850nm/980nm/1060nm Polarization Measurement Solutions

Adaptif's **A1000** series of high-speed polarization analyzers has been extended to provide comprehensive capabilities for measuring polarization properties in the wavelength range of **850nm to 1100nm**. This includes representation of the State of Polarization (SOP) on the Poincaré Sphere (Stokes Parameter) as well as determining the Degree of Polarization (DOP) and optical power.

The single mode interface makes it easy to connect the A1000 to fiber guided signals. In combination with its realtime capabilities (up to **1MHz sampling rate**, external trigger input/output) this polarization analyzer is an outstanding solution for detecting SOP changes in fibers, e.g. for measuring the polarization extinction ratio (PER) in polarization maintaining fibers.

A1000 Polarization Analyzer
A2000 Component Analyzer

Applications:

- SOP/DOP Measurement
- PMD/DGD Measurement
- PDL Measurement
- PER Measurement
- PMF Alignment
- Analysis of SOP Transients

The **A2000** series of component analyzers offer high-performance analysis of PMD, DGD, PDL and spectral loss in the wavelength range 950nm-1100nm.

In combination with a tunable laser source the A2000 provides a state-the-art implementation of the **Jones-Matrix-Eigenanalysis (JME)** which is known to be the "Golden Method" for PMD characterization.

For measuring PDL with an accuracy better than 0.03 dB, the A2000 uses the well-known **Mueller Method**.

Due to its outstanding accuracy the A2000 provides an excellent solution for characterizing passive and active components such as

- Optical Fibers, Isolators/Circulators, Fiber Bragg Gratings, ROADMs, etc.
- Amplifiers, SOAs, VOAs, etc.

Product Highlights:

Model	**A1000 Polarization Analyzer**
Wavelength Ranges	A1: 850-1000 nm A2: 950-1100 nm
SOP Accuracy	< 1% of Stokes Parameter
DOP Accuracy	< 2% (user calibr.: < 0.5%)
Sampling Rate	up to 1 MHz
Trigger Capabilities	TTL Input/Output

Model	**A2000 Component Analyzer**
Wavelength Ranges	Option A2: 950-1100 nm
PMD Range	up to 200 ps
PMD Accuracy	+/-(30 fs+2% of PMD value)
PDL Range	up to 10 dB
PDL Accuracy	<0.03 dB

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