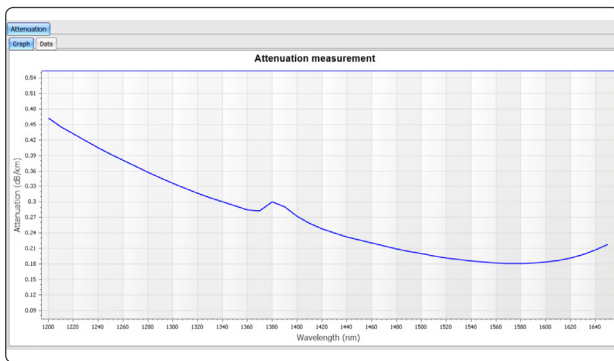


SA500

WS SYSTEMS



The SA500 is a derivative of PFOs WS500 WorkStation. Its application focuses on spectral attenuation and is designed to produce accurate measurements quickly and with confidence.

FEATURES & BENEFITS

- **High dynamic range** – Measurement range up to 40dB loss.
- **High repeatability and stability** – 0.0003dB/km achievable on 150km fiber.
- **Solid-state construction** – Stable, accurate, and reliable, yielding low ownership costs.
- **Broad-band SLED light sources** – Wide spectral coverage of 1250–1650 nm.
- **Fully developed control software** – Enabling end user measurement requirements to be satisfied.
- **Applicable to most fiber types** – Standard, NDS, NZDS, DC, bend-insensitive and multi-mode variants fibers.

OVERVIEW

The SA500 utilizes DSP and solid-state monochromator technology to provide high-performance measurements of changes to spectral loss in fibers with respect to wavelength.

The high dynamic range enables testing of the longer lengths now found in fiber and cable manufacturing, including the latest G657 A & B fiber types as well as some of the latest exotic Hi-NA fibers as used in submarine cables.

The SA500 has become the system of choice for attenuation measurements in submarine cable plants.

VARIANTS

The SA500 system may be configured with additional measurement options to satisfy the end users measurement requirements.

- **Cut-off wavelength (λ_c, λ_{cc})** – Adds external programmable white light source for use in cut-off wavelength measurements.
- **Macrobending loss (BL)** – Adds facility to measure macrobending loss; includes IEC recommended curve fitting.

STANDARDS

IEC-60793-1-40, IEC-60793-1-44, IEC-60793-1-47, ITU G650.1

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