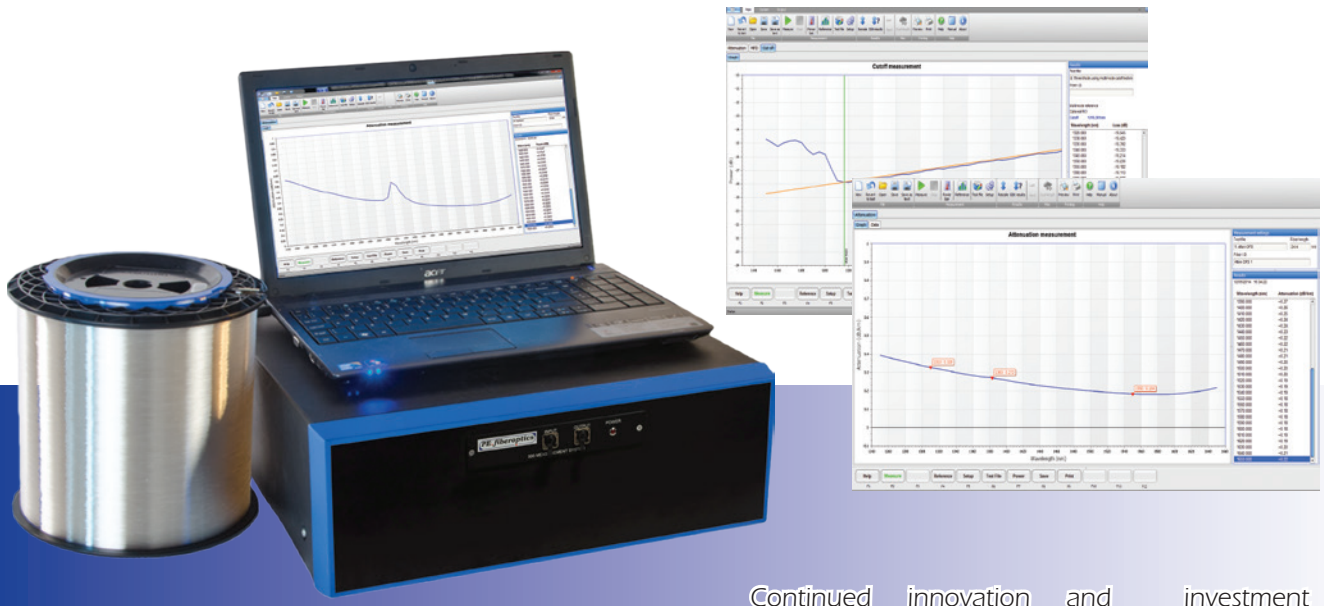
SA500HD Spectral Attenuation measurement system

NEW



- All New Design
- High Dynamic range (Measurement range up to 40dB loss).
- High repeatability and stability with 0.0003dB/km achievable on 150km fiber.* making possible the testing of the new longer fiber spools and cables.
- Optional white light source to add cutoff measurement capability supporting the multimode reference method enabling more reliable testing of G657 type fibers.
- Fully IEC, TIA and ITU compliant

Continued innovation and investment at ***PE.fiberoptics*** has yielded yet another major improvement in the series of high performance Attenuation measurement systems that began with the SM400A and continues with the SA500HD.

The SA500HD utilizes the DSP and solid-state monochromator technology already present in the 500 series products, to provide high performance measurement 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..

With the optional external white light source, the SA500HD can also be used for cutoff wavelength measurements with exceptional performance even on G657 fibers.

Considerable investment has been made in the programming to control the system. ***PE.fiberoptics***' latest controller package 'PECON' has been built on the Microsoft® .Net Framework which has resulted in an all-new software package that maintains our philosophy of simplicity, stability and user friendliness, whilst adding powerful features such as an all-new Report Designer.

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Outline Specifications

Wavelength range:	1200-1700 nm*
Dynamic range	40dB* *(LED Peaks, fiber loss not S/N ratio)*
Linearity	0.03dB/dB

**depends on LEDs fitted, please discuss with your local sales agent.*

Ordering information

1. SA500 — Spectral Attenuation measurement system (complete).
2. CD500-SA — Spectral Attenuation upgrade for the CD500 system. Hardware, optics and software upgrade.
3. SM500-SA — Spectral Attenuation upgrade for the SM500 system. Hardware, optics and software upgrade.
4. SPL500-SA — Spectral Attenuation upgrade for the SPL500 system. Hardware, optics and software upgrade.
5. 500-LC — Cutoff Wavelength upgrade for all 500 systems. Hardware, optics and software upgrade. *(requires SA option)*

All systems must be fully functional and configured with LEDs suitable for the application.

SA500HD series product datasheet issue 1.0.1

All specifications are typical based on systems using High power CD525 option and subject to improvement or modification without notice or obligation.
Specifications vary dependant on fiber length and type.
Please refer to detailed specification sheet for confirmation.
Please refer to any formal offers for specification guarantees.

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This product complies with 21 CFR 1040.10 Class 1 LED product

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