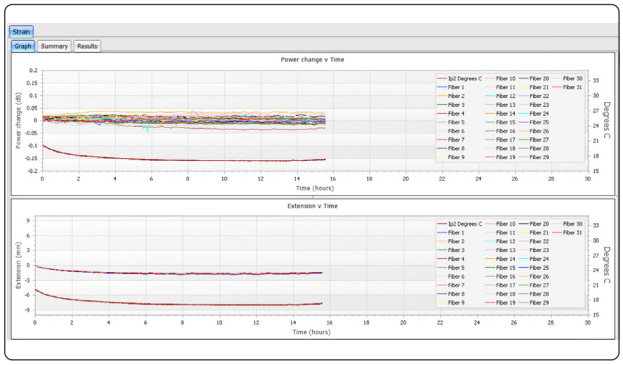
SPL500

CD, SPL, AND PMD SYSTEMS



The SPL500 is a fiber strain measurement system that measures fiber elongation and attenuation simultaneously during mechanical stressing of the cable. The SPL500 is designed to produce accurate measurements quickly and with confidence.

FEATURES & BENEFITS

- **Solid-state construction** – Stable, accurate, and reliable, yielding low ownership costs.
- **Accurate measurements** – Fiber length with sub-millimeter resolution.
- **Broad-band SLED light sources** – Wide spectral coverage of 1250–1650 nm.
- **Fully developed control software** – User programmable automated high-speed measurements.

OVERVIEW

The SPL500 also acquires other valuable information such as cable extension, mechanical load, environmental temperature, and other similar parameters.

This enables accurate monitoring of the physical stresses on fiber and fiber cables during installation and operation, which otherwise lead to operational failure.

VARIANTS

- **Multiplexer**
  Utilises an optical multiplexer enabling sequential measurement on multiple fibers.
- **Single wavelength version**
  Measures strain at a single wavelength (Usually 1550nm).
- **Dual wavelength version**
  Measures strain at a single wavelength selected from the 2 provided. (1310nm and 1550nm).
- **Multi-wavelength version**
  Measures strain at up to 4 programmable wavelengths simultaneously within the range covered by the LEDs fitted. (Usually 1250nm to 1650nm).

STANDARDS

IEC-60794-1-2

PE.fiberoptics Ltd
Rosa House
Mulberry Business Park
Wokingham
Berkshire RG41 2GY
United Kingdom