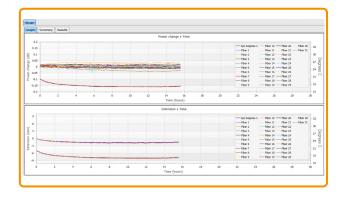


SPL500

STRAIN, POWER, LENGTH





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 submillimeter 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

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