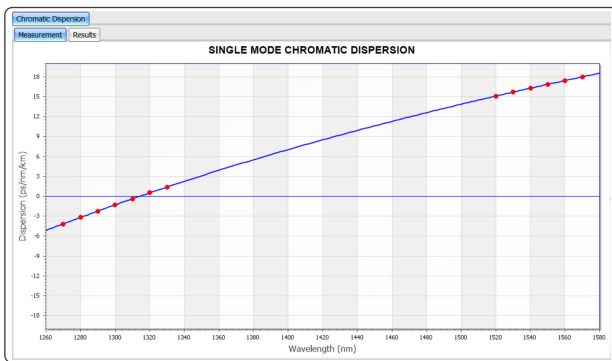




# CD500

## CD, SPL, AND PMD SYSTEMS



CD500 is a chromatic dispersion measurement system for use in fiber and cable manufacturing. CD500 is designed to produce accurate measurements quickly and with confidence.

### FEATURES & BENEFITS

- **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** – User programmable automated high-speed measurements.
- **Applicable to most fiber types** – Standard, NDS, NZDS, DC, bend-insensitive and multi-mode variants fibers.

### VARIANTS

- CD500 systems may be configured with various measurement options enabling use in alternate applications.
- **Tuneable Laser version**  
Utilises a high-power tuneable laser giving higher dynamic range and narrower spectral resolution to measure narrow band components and specialist fibers with higher-than-normal dispersion characteristics.
  - **PMD version**  
Incorporates fixed analyser and/or interferometry methods to enable measurement of both Chromatic Dispersion and Polarisation Mode Dispersion in the same unit.
  - **Strain**  
Utilises the standard CD500 hardware to monitor length and power change in the fiber during mechanical stressing of the cable.

### • Macrobending Loss

Adds low frequency power detection that enables the measurement of Macrobending loss at programmable wavelengths.

### • Spectral Attenuation

An external plug-in module that enables measurement of the spectral attenuation by the cut-back method.

### STANDARDS

IEC-60793-1-40, IEC-60793-1-42, IEC-60793-1-47, IEC-60793-1-48, IEC-60794-1-2, ITU G650.1, ITU G650.2

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