

Red Tide Spectrometers

Flexible, Low-Cost, Ideal for Education



USB-650 Red Tide Spectrometer

Wavelength Range: 350-1000 nm

The USB650 Red Tide from Ocean Optics is a low-cost, small-footprint spectrometer that is perfect for teaching laboratories as well as the classroom. This preconfigured, off-the-shelf spectrometer can be used with various Ocean Optics accessories, light sources and sampling optics to create application-specific systems for absorbance, reflection and emission applications. With its small footprint, convenient USB interface and integration times as fast as 3 ms, the USB650 Red Tide is a great tool for basic lab measurements. The Red Tide is not recommended for absolute irradiance measurements.

- Compatible with PASCO's Xplorer GLX
- Compatible with Vernier's Logger Pro Software
- Works with Ocean Optics' SpectraSuite Spectroscopy Operating Software

Item Code: USB-650



USB-650-UV-VIS Red Tide Spectrometer

Wavelength Range: 200-880 nm

The USB650-UV-VIS Red Tide is a fully integrated, preconfigured system that covers the 200-880 nm range at 2.0 nm optical resolution (FWHM). Equipped with a direct-attach deuterium tungsten light source and sample holder, this spectrometer delivers fast, hassle-free operation and spectrometer-to-PC performance. Its modular design allows you to complement your system with Ocean Optics fiber optic sampling accessories, reflection probes and transmission dip probes.

- Observe changes as small as 0.1 absorbance units
- Direct-attach deuterium tungsten light source and sample holder
- Plug and Play operation

Item Code: USB-650-UV-VIS



USB-650-VIS-NIR Red Tide Spectrometer

Wavelength Range: 350-1000 nm

The USB650-VIS-NIR Red Tide includes a high-tech, built-in light source, a holder for a 1-cm cuvette and high-speed electronics. This small-footprint system provides real-time, PC-based spectroscopy and captures full spectra from 350-1000 nm in milliseconds. Its USB-ISS-VIS is a combination sample holder and violet LED-boosted tungsten light source that is perfect for measuring relative absorbance and provides over 45,000 hours of use.

- Fully integrated system covering 350-1000 nm at 2.0 nm (FWHM) optical resolution
- Violet LED light source and sample holder
- Interfaces to PC via USB

Item Code: USB-650-VIS-NIR