

NanoSpectro Pro

Product Overview

NanoSpectro Pro is the world's smallest and portable spectrophotometer built by Enhanced Scientifics Inc. within the UV-Vis-NIR measurement range. NanoSpectro Pro is the most affordable and portable device of its kind with wireless communication capabilities.



Applications

Due to NanoSpectro Pro's affordability and portability, NanoSpectro Pro can be used in a wide variety of industries.

- Education
- Remote measurement
- Portable measurement
- Food and beverage
- Agriculture
- Oil and gas
- Biology
- Medical

Specifications

- Support for fluorescence, excitation wavelength centered at 390nm and 500nm
- Light source: Incandescent with LED support
- Detector: Linear CCD
- Wavelength range: 355 nm to 880 nm
- Slit size: 50 (H) × 500 (V) μ m
- Wavelength reporting interval: < 2 nm
- Optical resolution (FWHM): 10 nm
- Wavelength accuracy: ± 1.0 nm (at 650 nm)
- Integration Time: 54 μ s-2000000 μ s
- Communication Interface: USB2.0 (Full speed) and wireless interface
- Charging type: Wireless charger and USB Charger
- Battery life: 2 hours (light source on)
- Full charging time: 1 hour
- USB connector: Micro USB
- Wireless communication range: Up to 10-meter range
- Dimensions: 56mm (L) × 85mm (W) × 39mm (H)
- Operating temperature: 5 to 50°C
- Storage temperature: -20 to 70°C

Platform and Software

NanoSpectro Pro comes with a free software which has a user-friendly interface. The current software version works with the 32-bit and 64-bit Windows operating systems. The software can measure the spectrum at the desired measurement wavelength as well as plotting and exporting its graphs to MS Excel or pdf format. NanoSpectro Pro has the capability to be connected to the computer using USB or Bluetooth.