



# EDU-STS-VIS-PACK

## Microspectrometer Education Kit



## Spectroscopy Experiment Kit for Teaching Labs

Ocean Insight has packaged its robust, small-footprint STS-VIS spectrometer (350-800 nm) with a versatile illuminated cuvette holder and the ideal combination of accessories and software to help bring the excitement of spectroscopy to science labs everywhere. Take advantage of this kit to demonstrate principles of spectroscopy through absorbance, transmission, fluorescence, emission and pH measurements.



## Experiment Possibilities

**Absorbance:** Beer's Law

**Emission:** Atomic emission

**Fluorescence:** Excited state molecules

**pH:** Henderson Hasselbalch

**Transmission:** Color measurement

## STS-VIS Microspectrometer Kit

Items	Description
STS-VIS-L-50-400-SMA	Visible microspectrometer, 350-800 nm, 50 $\mu$ m slit, SMA 905 input
ECOVIS	Low-power Vis-NIR light source (400-2500 nm) with built-in cuvette holder and chrome-plated, reflective insert
P400-1-VIS-NIR	400 $\mu$ m lab-grade patch cord, 1 m length, 400-2100 nm transmission efficiency
CVD-UV1S-SAM	8-pack of plastic cuvettes, 230-900 nm, 1.5-3.0 mL filling volume
PH-BCG-TRANS-CUV	PMMA Cuvettes with pH Patches installed (3)
EDU-CUV-DARK	Dark reference sampling accessory
CC-3	Cosine corrector with opaline glass diffusing material
OCEANVIEW	Spectroscopy software
Storage case	Rugged case to contain all kit components

