

USB-ISS-VIS

Integrated Sampling System

Installation and Operation Instructions

Description

The USB-ISS-VIS is a snap-on, direct-attach 1 cm illuminated cuvette holder with tungsten bulb and violet LEDs (300 – 900 nm) created specifically for the USB4000 Spectrometer and the USB2000+ Spectrometer (and their predecessor, the USB2000 Spectrometer).



Installing the USB-ISS-VIS

The USB-ISS-VIS attaches directly to the accessory connector on the USB2000/2000+/4000 Spectrometer. Place a cuvette with your sample into the cuvette holder slot.

Using the Sampling System

► Procedure

1. Start the operating software.
2. Open the internal shutter on the USB-ISS-VIS. To do this,
 - For OceanView, check the **Strobe/Lamp Enable** check box on the Acquisition Group window.
 - For SpectraSuite software, check the **Strobe/Lamp Enable** check box on the Acquisition toolbar.
 - For OOIBase32 software, select **Strobe Enable** from the OOIBase32 Acquisition Parameters menu bar.

Specifications

Dimensions (L x W x H)	198 x 104.9 x 40.9 mm
Weight	400 g
Power Consumption	1.8 A @ 5 VDC
Wavelength Range (source)	390-900 nm
Path Length	1 cm
Cuvette Shape	Square
Light Source	Tungsten-violet LEDs
Bulb Life (hours)	2,000 (tungsten); 45,000 LEDs