

Orion OptiLink Micro Spectrometry

The project objective was to create a joint venture product using Ocean Optic's miniature optics platform. This device measures turbidity and concentrations of chemicals by measuring color intensity caused by an indication reagent, reflectance or refracted spectra in liquid or surface samples. An early version had a thermal exchanger that controlled temperature in the sample well. This was eliminated in its final configuration as it was found it was not needed. Orienting the product vertically reduced the footprint. The rotating modular sample turret indexes different filter channels. The sample well accommodates a multitude of sampling scenarios such as cuvettes both round and square, optical pens, autosampling probes, cards and films. The device can be attached to an autosampler to automate sampling throughput. An ultraviolet capability can also detect oxygen levels in blood samples.



Visual Technological Credibility

