



UVAS sc Sensor, 2mm, with sc200 Controller

Product #: 2976400

USD Price: Contact Hach

Call for ship date



Continuous UV 254 Absorbance/Transmittance measurements can be used to protect plant treatment processes from high organic loads. Analysis range of 50mm probe is 0.01-60 m-1. Use for the following applications: protection of treatment plants from industrial dischargers, monitoring shock loads from internal plant processes, control of activated sludge processes, control methanol feed in BNR based on organic loading, final effluent monitoring and monitoring efficiency of UV disinfection processes.

Continuous, Automatic Early Warning Systems

Use the Hach UVAS plus sc UV Absorbance/Transmittance Sensor to continuously protect plant treatment processes from high influent organic loads. Operators can use the continuous readings of UV absorbance or transmission to watch for sudden changes in organic load that would require alternate treatment procedures.

Control Activated Sludge Processes

Activated sludge processes require precise balancing of organic load, aeration, and nutrients. Continuous trending of the organics in the system with the UVAS plus sc sensor can help operators know how to balance other factors resulting in cost and time savings.

Self-cleaning Wiper System

With the UVAS plus sc sensor submerged in the sample stream, the detector windows are automatically cleaned by a built-in wiper that eliminates surface films or particles that can diminish accuracy.

Monitor Efficiency of UV Disinfection Process

UV light transmittance (UVT) is critical in the delivery of dose in a UV reactor. The delivered dose is determined by, among other things, the UVT of the source water, the intensity of the UV lamps, and the flow rate of the water source. UVT can be affected by many factors, from a simple change in the seasons to storm events. Potential changes in UVT should be considered in a UV disinfection system for optimized dose delivery. Hach's UVAS plus sc is designed to provide continuous UVT measurement of pre-disinfected source water. Operational costs related to sampling for UVT may be reduced with continuous online measurement. Data can immediately be incorporated into the operation in real time.

Self Diagnostics and Easy Maintenance

Diagnostic routines built into the UVAS plus sc sensor reduce the need for extensive calibration and maintenance. Only semi-yearly inspection and replacement of the wiper and seals is needed.

Specifications

Cable Length:	10 m
Diameter:	70 mm
Dimensions: Weight:	7.94 lbs. (3.6 kg)
Length:	333 mm
Maintenance Requirements:	1 h/month in standard applications
Measurement Method:	UV absorption measurement (patented 2-beam technique)
Measuring Interval:	1 min
Measuring Principle 2:	SAC 254 in accordance with DIN 38404 C3
Operating Temperature Range:	2 to 40 °C

Pressure Range: <lt;/> 0.5 bar

Reference Wavelength: 550 nm

User Maintenance: 1 h/month

What's in the box?

SAC probe, controller, user manual