

# Color

Continuous. APHA Hazen 2120.  
DIN EN ISO 7887



<https://www.xylenalytics.com/en/company/news/iq-spectral-sensors-to-measure-color-continuously>



Color has always been an important parameter for water quality, and in the last years the demand for continuous color measurement has been constantly growing. The new WTW color sensors for the IQ SENSOR NET measure according to the standards DIN EN ISO 7887:2011, procedure C and APHA 2120 2018 (Hazen), procedure C.

Both are laboratory measurement methods. DIN EN ISO 7887:2011, procedure C prescribes a wavelength of 410 nm, while APHA 2120 2018 (Hazen), procedure C allows the wavelength to be freely selected. For this method, the WTW sensors offer the wavelengths of 340, 350, 390, 445, 455 and 465 nm.

#### Fields of application:

- Municipal wastewater (treatment plant)
  - Outlet
- Surface waters

# UV-VIS Spectral Sensors



## All in one

The reagent-free spectral measurement enables the monitoring of color in the effluent of the wastewater treatment plant or in surface waters.

Due to the turbidity compensation, the continuous measurement is reliable and highly accurate. In addition to pure color measurement, optionally also carbon, nitrate and total suspended solids can be determined too.

The built-in ultrasonic cleaning system guarantees a very long maintenance-free operation. Accumulation of dirt and biofilm formation is gently but very effectively prevented.

High-tech materials such as titanium and PEEK allow an employment even in corrosive media.



Spectral sensor with multifunctional slide and shock absorption rings



- Reliable and highly accurate
- Low maintenance due to integrated ultrasonic cleaning
- No reagents, no consumables



D2.26, D2.27

## Ordering Information

Model	Description	Order No.
<b>ColorVis 705 IQ</b>	Spectral UV-VIS sensor to measure Color, incl. integrated ultrasonic cleaning, for wastewater and surface waters	481067
<b>CarboVis® 705 IQ TS Co</b>	Like ColorVis 705, including Carbons and Total Suspended Solids, for wastewater	481065
<b>NiCaVis® 705 IQ TS Co</b>	Like ColorVis 705, including Nitrate, Carbons and Total Suspended Solids, for wastewater	481066
<b>NiCaVis® 705 IQ SF Co</b>	Like NiCaVis® 705 IQ TS Co, without TSS, for surface waters	481060



For technical data please see datasheets D2.26 and D2.27

Alternatives and accessories see brochure "Product Details" and website

Information about IQ SENSOR NET system see from page 48

Laboratory photometers, see „Lab & Field Instrumentation“ catalog

