

MODEL UV6 COLOR ANALYZER

Compact online analyzer for Color Quality Control

APPLICATION FIELDS

- Municipal waste water
- Industrial waste water
- Rivers and surface water
- Drinking water
- Monitoring process liquids
- Measurement of water quality for distribution or discharge



ADVANTAGES / FEATURES

Dual compartment enclosure

To ensure complete separation between the electronics and the wet part.

Low operating cost – no reagents

The UV spectroscopy measuring principle requires no chemical reagent resulting in very low operating and maintenance costs.

Xenon lamp – UV light source

The high stability and long operating life make them ideal as light sources for water quality analyzers.

Automatic calibration / zeroing / cleaning

These automatic functions ensure optimum performance with the minimum of manual intervention.

Free selectable cleaning, zeroing and calibration intervals.

Wide measuring range

The determination range of the UV6 Color Analyzer can be extended using internal dilution module.

Factory tested, ready for installation and operation

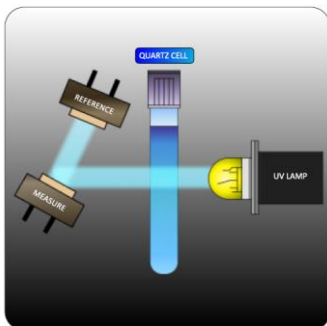
Just connect the power, sample and the analyzer is fully operational.

Color touchscreen user interface

The UV6 Color analyzer is equipped with a graphic touchscreen interface showing measured values and status information. Easy access to menus and functions. Multiple languages. Integrated datalogger with USB download.

Dual streams version

Dual streams version gives two measurements in one instrument, each stream can be either high range or low range with different correlation / dilution factors.



MEASUREMENT PRINCIPLE

The xenon lamp produces a UV light radiation that pass through the sample water in a quartz measuring cell. Measurement of water color by absorbance at 350nm expressed in Hazen scale or Platinum-Cobalt scale.

TECHNICAL SPECIFICATIONS

Measured parameter:	Hazen, Pt-Co, mg/L, ppm, ppb	Drain:	Pressure-free, atmospheric drain Connection: 12 mm (½-in.)
Measuring principle:	UV350 absorption measurement	Dimensions (H x W x D):	23.6 x 15.0 x 8.2 in / 606 x 380 x 209 mm
Measuring range:	0 to 500 Pt-Co units (0 to 500 Hazen units) All derivated higher range using internal dilution (up to 40 times dilution).	Weight:	Approx. 44 lbs (20 Kg)
Reproducibility:	±2 % of reading for low values < 10% f.s.	Ingress Protection:	IP54
Accuracy:	±5 % of reading or ± 1 Pt / Co (whichever is the greater)	Power supply:	Voltage: 100 - 240 VAC 50/60 Hz standard or 24 VDC (option) Power consumption: max. 80 VA
Analysis frequency:	Freely programmable, batch near-continuous analysis.	Outputs:	2 x 4-20 mA outputs for measured data Modbus RTU RS485
Cycle time:	Less than 1 minute, including conditioning before analysis cycle and rinsing after measuring.	Alarms:	4 SPDT programmable potential free relays, N.O. or N.C.
N° of streams:	1, 2 with integrated switching valve	Digital input:	Remote start / stop
Sample:	Pressure-free from overflow vessel Temperature: 41 - 122 °F (5 to 50 °C) Flow Rate: 80 to 500 mL/min Connection: 6 mm (¼-in.)	Installation:	Wall mount (standard), bench top support or panel mount (options).
		Operating Temperature:	41 - 113 °F (5 - 45 °C)
		Humidity:	10 to 90% non-condensing (indoor use, outdoor installation only possible with protective cabinet or shelter not included)

