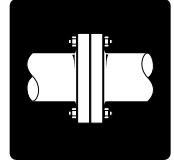


WATER TREATMENT QUALITY CONTROL

THE KAM® CHA™ COLORIMETER HAZE ANALYZER



PROBLEM: Water discoloration is primarily caused by either the presence of iron which creates a red color or naturally occurring organic tannins which can create yellow, green, or brown color and is especially common in surface water or shallow wells. These elements can affect the taste of drinking water and stain surfaces and laundry. The removal of color, and in particular of tannins, during water treatment can be expensive and complicated.

SOLUTION: Quality control of these processes ensures adherence to EPA standards and can be used to monitor well water quality, filter performance, and to monitor and optimize treatment facilities and chemical usage. The KAM® CHA™ Colorimeter/Haze Analyzer provides real-time, constant data on water color which can be output to a designated PLC or controls center in the Platinum-Cobalt Scale. This data can be used to monitor quality and to trigger alarms in a case where treatment fails and color varies outside acceptable norms.

HOW IT WORKS

The KAM CHA emits a series of differently colored LED signals into the fluid and measures absorption. Data is then combined to determine the specific color of the fluid and output in the Platinum-Cobalt Scale.



KAM® CHA™
COLORIMETER HAZE ANALYZER
Insertable Model with 2" MNPT Seal Housing
(also available with 2", 3", or 4" flanged seal housing
or in flanged flow through models)

ACCURACY and OUTPUTS

- Accuracy: $\pm 1\%$
- Repeatability: $\pm 1\%$
- Reproducibility: $\pm 1\%$
- Digital communication: RS485
- Analog Output: 4-20mA

KEY KAM® CHA™ ADVANTAGES

- Long-term performance with minimal power and maintenance requirements
- Automatically adjusts for electronic noise, LED fluctuations, and varying absorption rates
- All requisite electronics incorporated into unit
- Easily inserts directly into pipelines or installs between two flanges