

# SPOT4Line®

Industrial monitoring and  
cleaning validation of food and  
heavy industrial waste water

Turbidity

Color

Temperature

UV  
absorbance

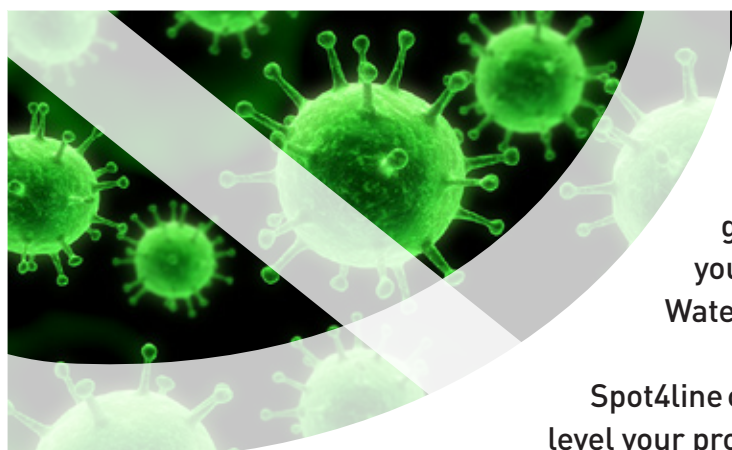
Liquid  
identification



*Measure up*



Complex liquid can be found in many industries during manufacturing or cleaning operation (CIP). To be controlled and identified these products requires measurement of both physical and chemical attributes. SPOT4Line is a new optical solution able to measure those in real time and into the process.



## Know what you are doing in your pipe

Our solution can help you saving up to 15% in cleaning time while in the same time providing you a high and efficient solution to validate the good quality of cleaning (safety). Our solution help you decreasing : Cleaning time, Use of cleaning Agent, Water consumption, Energy.

Spot4line can also measure accurately the color and the turbidity level your product which are very important sensory attributes for consumer market such as beverage, detergent, paint.

## A design for industrial applications

- ❑ Very long service life without drift over time : LED technology
- ❑ Large measurement range : 1 to 10 000 NTU
- ❑ Optical density corrected from turbidity variations

## A comprehensive and flexible solution for liquids in Industry



- ❑ Turbidity
- ❑ Optical density at 6 wavelengths : UV, Blue, Green, Yellow, Red and Near Infrared
- ❑ Multiangle design for very clear up to highly turbid solution
- ❑ Temperature



## TARGET PROCESSES IN BRIEF

- Cleaning In Place (CIP)
- Fermentation
- Filling / Blending
- Separation / Filtration
- Cell culture- Beverage
- Oils

### Customer Benefits in brief : Improvement of Process Performance

Reduction in cycle times with real-time correction of process parameters and drifts

Reduction in non-compliance and product failures

Diminution in energy consumption

Decrease in raw material and solvent losses

Decrease in waste and cleaning time

21CFR Part 11 compliance  
Full IQ/OQ/PQ support  
GMP compliance

## CONTACT

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