

ASURYAN UV-VIS Analyser

Composition and Purity Analysis
for downstream biotech, chemical
and water industrial liquids.

Protein purity

DCO/DBO

Color

Oil analysis

Nanoparticles
detection



Measure up



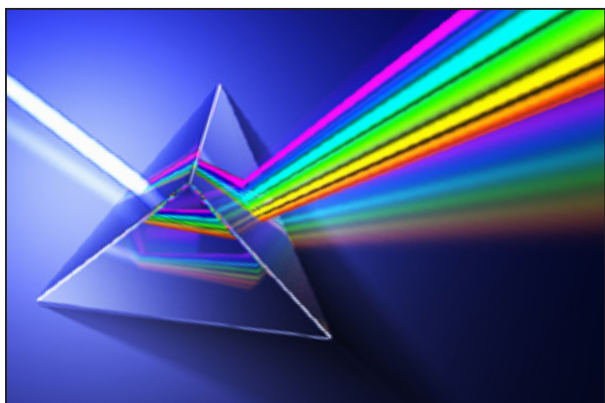
Asuryan UV-VIS spectrometer is dedicated to critical application in industry such as :

- downstream biotech monitoring (purity of protein)
- chemical industry (detection of H2S in liquid)
- Analysis of waste water and beverage (remaining low concentration of API in pharma)
- Analysis of dissolution processes

Technology:

Our system relies on a new wide window spectrometer and light source measuring from 225nm till 1000nm providing a wide analysis capabilities of sample properties

Large spectral window analyser

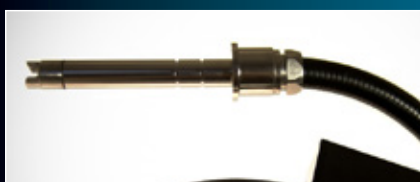


- UV-220-400nm Protein, API, DCO, H2S, DBO, Nanoparticle
- VIS-400-650nm Color, Hemoglobin, Bilirubin, Phosphate
- NIR-750-1000nm Moisture, glucose, Turbidity

Hardware



Two output channel (2 light sources and two spectrometer)
 Measurement of temperature of the sample with Pt100
 Safety (UV) : fiber connexion have a double connexion.
 Protection from direct illumination from the operator
Communication with production tool
 OPC-UA communication (SyntQ, Process pulse, SIPAT, SIMCA online) Model importation (e.g PLS toolbox)



Flexibility

- Different probe option such as
- Transflexion probe,
- ATR probe,
- flow cell with small diameter (downstream)
- In line cleaning option
- ATEX probe

Applications:

Biotech and Pharma	Food & consumer goods	Water
-Prediction of protein concentration during a continuous down stream process -Analysis of water to identify residual API concentration -Analysis of nanoparticule suspensions	-Analysis of color for detergent product in chemical industry -Analysis of color for beverage	- DCO, DBO, - turbidity - hydrocarbon

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

CONTACT

INDATECH
 4, rue Georges BESSE
 34 830 CLAPIERS - FRANCE
 Tel: +33 4 80 78 01 40
 Fax: +33 4 80 78 01 42
 sales@indatech.eu
 www.indatech.eu

UNITED KINGDOM
 Chauvin Arnoux Ltd
 Unit 1 Nelson Ct, Flagship Sq,
 Shaw Cross Business Pk Dewsbury,
 West Yorkshire - WF12 7TH
 Tel: +44 1924 460 494
 Fax: +44 1924 455 328
 info@chauvin-arnoux.co.uk
 www.chauvin-arnoux.com

Middle East
 Chauvin Arnoux Middle East
 P.O. BOX 60-154
 1241 2020 JAL EL DIB
 LEBANON
 Tel: +961 1 890 425
 Fax: +961 1 890 424
 camie@chauvin-arnoux.com
 www.chauvin-arnoux.com

