VISUM
INLINE

MONITORISE AND IMPROVE IN-LINE YOUR PRODUCTS AND PROCESSES

DESCRIPTION:

In-line Near Infrared (NIR) Analyser for continuous monitoring of **chemical composition** and for determination of **optimal blending end-point**. Suitable for **in-line process monitoring, quality control** and **product standardization**.

MAIN CHARACTERISTICS:

- Non-destructive testing

- Continuous measurement

- Real-time in situ analysis to immediately adjust process parameters

- Simultaneous measurement of multiple parameters

- Excellent measurement repetition

- No sample preparation

Sensor	InGaAs photodiode array
Spectral range	900 – 1700 nm
Typical single spectrum acquisition time	10 ms
Spectral resolution	3 nm
Acquisition geometry	Diffuse reflectance, interactance and trasflectance (with a dedicated holder)
Weight	14 kg
Dimensions	325 x 243 x 240 mm3
Ingress protection	IP65
Power supply	230 VAC (1-phase). Consumption < 100 W
Material (enclosure)	AISI 304
Light source lifetime	1 year (standard use)
Built-in computer	A7 Dual-Core ARM®
Basic connectivity	Ethernet (TCP/IP)
User interface	External-PC-based (for configuration and service tasks)
Data output	Profibus DP RS485
Operation mode	Slave / Continuous
Connection to the process	Insertion flange for Varinline (R) Type N Housing from OD 1 1/2" to OD 3" (DN40 to DN80) pipe diameter
Max pressure on the window (process side)	16 bar
Materials (interface with the process)	Borosilicate glass and AISI 316L steel

APPLICATIONS:

FOOD
- In-Line monitoring for product standardization and composition of ingredients.

Meat & Poultry   **Flour & Milling**   **Edible Oils**   **Dairy**   **Chocolate & Cocoa**   **Wine**

PHARMA
- Verification of content uniformity
- Determination of optimal blending end-point

Pills   **Tablets**   **Mixing**   **Parenterals**   **Powders**

CHEMICAL
- Monitoring of Reaction Extent such as Polymerization
- Monitoring of Compound and Additive Content such as humidity, plasticizers, colorants, …

Ceramic   **Tire**   **Mining**   **Cristal**   **Chemical**   **Plastic**