

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



Technical specifications:

Sensor	InGaAs
Spectral range	900 – 1700 nm
Speed of data acquisition	30 – 50 ms
Spectral resolution	1 – 12 nm
Weight	6 kg
Dimensions	200 x 200 x 150 mm
IP	IP69 or IP69K
Power supply	230 V
Light source lifetime	Dual lamp system: 18 000 h (9 000 h per lamp)
Data output	Ethernet connection
User interface	Intuitive user interface for results visualization
Casing material	Stainless steel 304 L / 316 L; Ra finishes depending on application
Core	A7 Dual-Core ARM® CORTEX™ @ 1 GB/ 2GB DDR3@ 480 MHz
Output data format	TCP/IP, ModBus, 485
System requirements for data exportation	PC (included) with Ethernet connection; Operating System: For Win 7: Explorer and for LINUX: Samba
Compliance	FDA, GMP, CE & ATEX (optional)

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



Other Visum solutions:



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