

AfiLab™

In-Line, Real-Time Milk Analysis



afimilk®
Vital know-how in every drop



What is AfiLab?

AfiLab is an innovative milk component analyzer. As a member of the comprehensive Afimilk product family, it measures and indicates milk composition in-line in real time.



AfiLab is installed between the milk meter and milk collection line at each milking point. Thus, it measures the composition of the milk each cow gives.

AfiLab's continuous data collection provides vital information and key performance indicators enhancing decision-making by dairy managers. The data is utilized to detect animals requiring attention while also providing on-line milking alerts.

AfiLab Features

Measurements

AfiLab measures fat, protein and lactose concentration, and alerts of the presence of blood above a pre-set threshold. AfiLab also measures milk coagulation properties.

Technical Characteristics:

Operation Method – AfiLab is an optical device that measures the milk flowing through its chamber. The measurement process does not require reagent substances, thus presenting no measuring costs. Part of the milk tubing at every milking point, AfiLab operates automatically without interfering with the flow of milk. The measurement process requires no effort from the parlor or dairy operators.

Wash – AfiLab is washed together with the other milking system components during the CIP process. Its small internal volume requires no additional water or wash-detergents.

Minimal Maintenance Costs – AfiLab incorporates no moving parts or other repairable components. The device's maintenance costs are limited to the scheduled replacement of rubber connectors in the milking system.



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AfiLab – Main Benefits for the Dairy Farm

AfiLab analysis adds a new dimension to dairy farming. Yielded data is used to optimize feeding, and for following-up and alerting about nutrition disorders. The device's on-line analysis of milk components is checked against thresholds for alerting about health and nutrition issues among individual cows and for improving milk processing efficiency and quality.

By providing such vital information, **AfiLab** enhances management capabilities, giving dairy managers a competitive edge in their operations.

Specific Benefits:

Health: **AfiLab** timely detection of milk composition changes enables early identification of health problems including:

Mastitis • Ketosis • Ruminal acidosis

Nutrition: **AfiLab** provides milk component data used for monitoring and planning feeding regimes and for early detection of nutrition problems:

Low fat syndrome • Negative energy balance • Simple indigestion

Quality Control Alerts: By identifying the presence of blood in the milk, **AfiLab** allows afimilk to stop milking, thus protecting bulk milk from contamination.



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