Milk Meter for Precision Milking

Simple to use – smart performance – the AfiLite, ICAR* approved, milk meter gives the farmer full control of the milking station. It interfaces with the AfiMilk management system for collecting valuable data, and displays vital information relevant to the farmer in the milking parlor.

Thousands of satisfied customers testify that installing AfiLite in their milking parlors has improved their operations significantly.

*International Committee for Animal Recording
**Main Features**

- **Milk Yield**
  
  *AfiLite* measures the milk yield very accurately according to ICAR standards. It is built to cope with high milk-flow rates and offers the required protection against damaging vacuum fluctuations.

- **Conductivity**
  
  The measurement of conductivity is the basis of a unique mastitis detection algorithm implemented in *AfiMilk*.

- **Other Measurements**
  
  Attachments, flow rates, milking curve and milking times are gathered for valuable information about the operation of the parlor as well as the milking procedures adopted for your herd.

- **Cluster Removal**
  
  Provides an accurate, adjustable algorithm for automatic stoppage of milking when milk flow decreases, and timed vacuum closure for smooth release of the cluster from the udder.

- **Pulsation**
  
  Enables two methods of controlling pulsation per stall. Basic control allowing adjustments of rates and ratio or automatically adjusted pulsation according to the flow of milk. With *AfiLite* controlling your pulsators, pulsation is stopped when the cluster is detached, thus extending the life of your milking equipment, pulsators, and liners.

- **Stimulation**
  
  Supports pre-milking stimulation.
Modular Unit
Suitable for installation on any type and brand of milking platform.

Small Volume Measuring Chamber
Requires minimal volume of cleaning water.

Maintenance
Low cost preventive maintenance only requiring annual replacement of silicon gaskets.

Tubing
Available in either 5/8" or 7/8" inlets.

Accessories
An array of efficient, low cost vacuum/air operated vacuum shut off valves are also available.
AfiLite Control Panel

The AfiLite control panel serves as the farmer’s interface with the AfiMilk system giving the farmer vital information relevant to the cow being milked at the milking point. It displays an array of individual animal data and enables messages to be sent by the operator to the AfiMilk system. The device is a plug-in ultrasonically sealed unit designed to withstand the wet environment of milking parlors. It can be equipped with an optional external start button to enable quick activation of the milk meter.

The Control Panel displays:

- **Cow Data**
  Cow's number is displayed and additional data may be accessed. This data, replaced by milk weights when milking starts, can be retrieved at the touch of a button.

- **Health Codes** - Adjustable levels of alerts code!
  - High level codes for preventing milk with Colostrum/ Antibiotics/ High SCC from entering the milk tank.
  - Coded health alerts for indicating special attention or required treatments.

- **Kick-Off Alert**
  The unit alerts when yields are lower than the expected level.

- **Mastitis Alert**
  Real-time parlor alert when probability of Mastitis is high.

- **Fault Alerts**
  Alerts that equipment at the milking point is faulty.

- **Messages**
  Enables messages to be sent from the milking point to the PC.

- **Keyboard Locking**
  Start button may be locked for cows assigned with high level codes thus preventing contaminated milk from entering the milk tank. The keyboard can only be unlocked using a password.