MilkHub™
In-line Sensor

Daily cow information for better informed decisions and greater profitability. A 4-in-1 sensor solution that will provide you with the maximum benefits from dairy automation and the greatest return on your investment both practically and financially.

- In-line installation onto the main milk line.
- One sensor installed per bail.
- Minimal wiring. Wireless connection from rotary interface unit to command centre. No additional wiring onto the rotary platform.
- Unique high frequency through plastic sensing. No electrodes in contact with the milk, reducing fouling and build up, prolonging life.
- No moving parts.
- Cleans in place as part of the plant cleaning cycle.
- No reagent.
- No effect on vacuum.
- Every bail, every milking gives many advantages:
  - Exception filtering
  - Statistical averaging
  - Trend analysis
  - Change detection
  - Ranking.

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How are you tracking?
Let's talk.
0800 6455 482
4-IN-1 SENSOR

1. Mastitis Prediction
   - Measurement of first foremilk of every cow.
   - Alerts for checking cows likely to have mastitis (to save stripping whole herd).
   - Measurement stored for every cow, every milking.
   - Individual cow level compared to the herd as one indication of mastitis (Mastitis Ratio).
   - Change in individual cow level as additional indication of mastitis (Prime Mastitis).
   - Mastitis ranking (from worst to best indicator) for alerts in-shed on Display Screens.
   - Mastitis trend lines viewed in MiHub Online Herd Management tool.
   - Mastitis measurements in combination with yield, weight, treatments for complete health picture in MiHub.
   - In-shed alerts from MiHub using any mastitis related data.

2. Yield
   - Volume yield to find poor producing cows.
   - Measurement of instantaneous milk flow.
   - Summing flow 10 times a second to get volume yield.
   - Individual cow yield compared to the herd average (Yield Ratio).
   - Change in yield as an indication of yield trend (Prime Yield).
   - Yield ranking (from lowest to highest) for alerts in-shed.
   - Yield in litres when calibrated from tanker pickup in MiHub.
   - Yield ranking and trend reports in MiHub.
   - Yield measurements in combination with mastitis, weight, treatments for complete health picture in MiHub.
   - Yield ranking in combination with weight for milking efficiency.

3. Plant Milking Performance
   - Bail milking performance to ensure correct milking operation.
   - Measurement of milk flow characteristics of all cows cupped on each bail.
   - Long term average characteristic to eliminate the cow effect and expose the underlying bail characteristics.
   - Individual bail values compared the platform average characteristic to give likely cup slip (Slip Ratio), air in milk (Air Ratio) and milking time (Duration Ratio).
   - Results and alerts presented in-shed as a plant summary on Display Screens.
   - Alerts presented on MiHub reports.

4. Cleaning Performance
   - Bail cleaning performance to ensure correct cleaning.
   - Measurement of cleaning solution flow characteristics on each bail.
   - Result for cleaning at the end of each milking.
   - Bail figures for each bail for flow volume (Volume, range normal range 1 to 10), flow rate (Flow, 1 for normal full flow), and cleaning temperature (Temperature, target hot water >65 degree C).
   - Results and alerts presented in-shed as a plant summary on Display Screens.
   - Alerts presented on MiHub reports.

INSTALLATION
   - Installation by Tru-Test MilkHub™ installers.
   - Mounted onto the main milk line, the long milk hose is connected directly onto the in-line sensor and from there onto the main milk line.
   - There is no effect on flow or vacuum.
   - Minimal 2-wire ring connection to all sensors for simple and reliable installation.
   - Communicates wirelessly off the rotary platform, no additional wiring onto the platform.

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