

LACTOSCAN MILK ANALYSERS: PRECISION FOR THE DAIRY INDUSTRY

LACTOSCAN offers ultrasonic milk analysers for quick, comprehensive analysis of fat, solids-non-fat (SNF), proteins, lactose, added water, temperature (°C), freezing point, pH, salts, total solids, conductivity, and density—all from a single milk sample, whether after milking, at collection, or during processing.

The basic range supports decentralised systems with fewer daily tests, offering ease of use, low maintenance, and affordability.

The advanced range integrates seamlessly with storage, processing, and result transmission systems, featuring a built-in stirrer, touchscreen display, and pre-programmed methods for precise, repeatable results.

MILK ANALYSER

Ultrasound technology overcomes some of the limitations of infrared technology, offering the following benefits:

- Measurements in milk samples starting at 5°C.
- No need for periodic calibration.
- Measurement accuracy independent of milk acidity.
- Suitable for analysing various types of milk, including cow, sheep, UHT, cream, whey, and pasteurised milk (to be confirmed at time of purchase)



LACTOSCAN MILK ANALYSERS

- Milk sample temperature from 5 - 40°C
- FAT measuring range 0 - 25%
- Ambient temperature range 5 - 35°C
- Calibration, possible to be done in every laboratory

OTHER ULTRASONIC MILK ANALYSERS

- Milk sample temperature only from 15 - 30°C
- FAT measuring range only 0,5 - 9%
- Ambient temperature range only 15 - 30°C
- Can be calibrated only from the producing company

SOMATIC CELL COUNTER: EFFICIENT MILK QUALITY ANALYSIS

Utilising fluorescent image cytometry, this device counts somatic cells in milk, fully complying with ISO 13366-1 and IDF 148-1 reference standards. It provides fast and accurate results, making it ideal for monitoring milk quality and ensuring regulatory compliance. It effectively detects early-stage clinical mastitis, subclinical mastitis, and yeast mastitis.

The system captures up to 64 images, analysing a total sample volume of 10 μ l with advanced software to ensure precise somatic cell measurement.

KEY FEATURES:

- Fast Results: Get cell count data in 20 to 60 seconds, depending on the analysis type.
- Measuring Range: 2 to 30 μ m, with results expressed as cells per ml.
- Visual Control: Allows for error detection during the analysis process.
- No Calibration Needed: Only standard magnification calibration with a graduated slide scale.
- ISO Compliant: Adheres to ISO 13366-1 and IDF 148-1 standards for somatic cell counting.



LACTOSCAN SOMATIC CELL COUNTING

DIRECT MICROSCOPIC SOMATIC CELL COUNTING

SCC (cell/mL)

Coefficient of Variation (%)

Coefficient of Variation (%)

100 000

5%

7%

400 000

3%

5%

600 000

%

4%

Contact your **Lasec® Sales Representative** today.
Ts & Cs apply

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E&OE