

# LactoStar

Instrument for the analysis of milk

■ Fat ■ Protein ■ Lactose ■ SNF (Solid Non Fat) ■ Density ■ Freezing point



## ■ Easy 5-key operation

**Automatic maintenance:** Up to five different times can be entered for various maintenance activities:

- rinsing
- cleaning
- zero point calibration

*Thus routine tasks are completed automatically.*

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## Measurement Principle:

The milk sample is sucked into the measuring cells by means of a pump. Both the fat content as well as the SNF are determined by using thermal measurement effects (RedBox).

## Additional Wavelengths

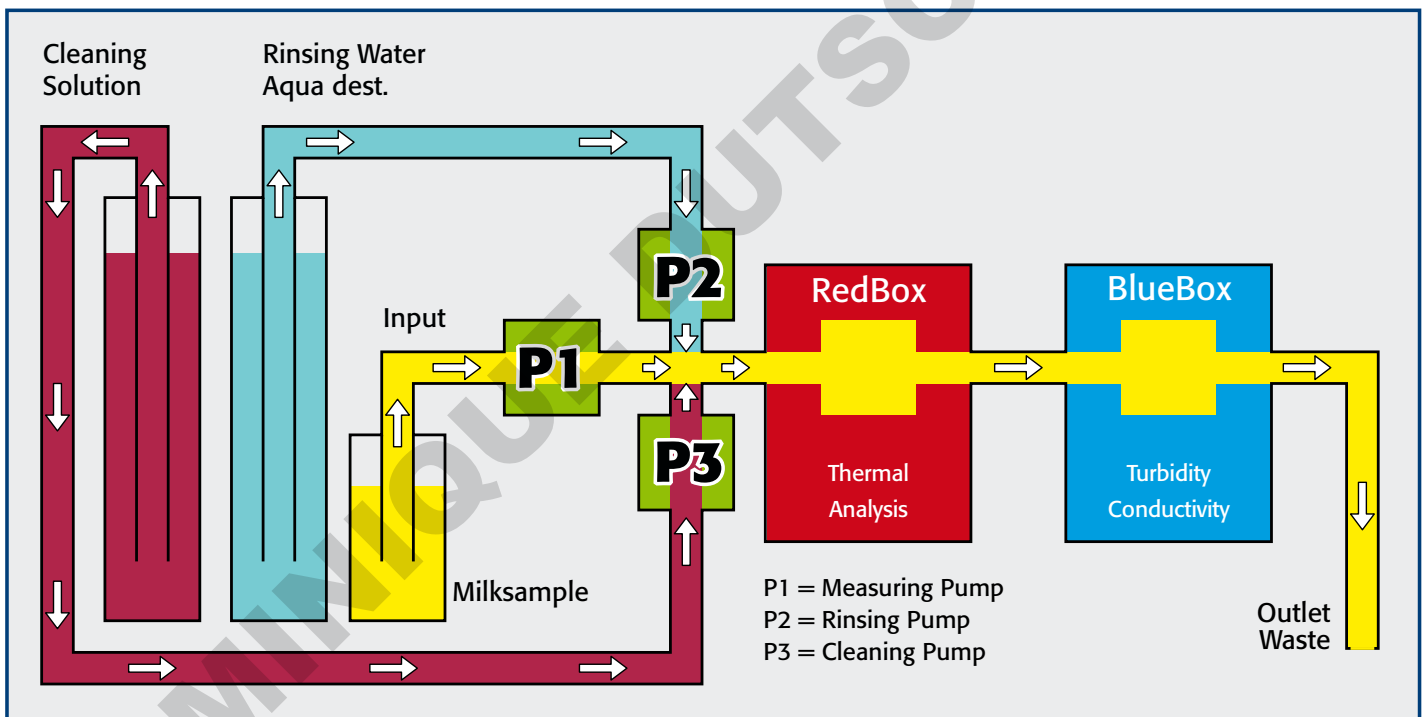
Protein, lactose, density and minerals are determined in addition with the aid of a second measuring cell that is equipped with a combined impedance / turbidity sensory technology by using 4 different optical wavelengths (BlueBox). The freezing point is calculated on the basis of the measured values that are ascertained.

## Appliance characteristics Calibration

The devices can store 20 different sets of calibration data. Various types of milk, e.g. full-cream milk, skim milk, cream, etc. can be analysed. You can change from one product to another without having to undertake a new calibration.

## Interfaces:

Parallel interface (Printer connection),  
Serial interface (PC connection,  
software is included in the delivery)



Parameter	Measuring range	Repeatability
Fat*	0.00% ... 40.00%	± 0.02%
Protein	0.00% ... 10.00%	± 0.03%
Lactose	0.00% ... 10.00%	± 0.03%
SNF	0.00% ... 15.00%	± 0.04%
Minerals	0.00% ... 5.00%	± 0.02%
Freezing point	Calculated value	± 0.002 °C

\* The repeatability in the range of 0 to 8% fat amounts to ± 0.02%.  
In the higher measuring range of 8 to 40% fat, the repeatability amounted to ± 0.2%

## Ordering data:

**LactoStar** with printer  
and two plastic canisters for cleaner and distilled water  
**Art. no:** 3510

**Dimensions: (LxHxW):** 44cm x 20cm x 44cm

**Weight:** 15,5 kg

**Connected loads:** 230 V / 115 V / 180 VA / AC

countless installations in institutes  
and laboratories all over the world  
**approved - accurate - reliable**