

Dairy Products, Creameries

cheese fabrication: cream cheese

measurement setup for the production of cream cheese and related products



evaluation-unit HK1-M



cream cheese preparations



flow cell / sensors



total solids measurement for cream cheese production



HK1-M



latest digital microwave technique at 2,45 GHz.
**wherever the watercontent in
cream cheese is a relevant issue**

The origin of every cheese production is the milk. Independent if the milk is from cows, goats or sheep, the production of cheese always follows the same procedures. Only one basic decision is required: The cheese product should be **cream cheese** or lab ferment cheese. To produce cream cheese the milk is treated and acidised with lactobacilli. The milk acidulates until the protein of the milk coagulates and the whey drips off. **Directly after production cream cheese is suitable for consumption and no further ripening is necessary.**

Before the cream cheese production starts the milk is prepared by heating treatment, to separate the whey proteins from the whey. In accordance to the look and the consistency the cream cheese is divided in four groups:

- curd cheese (pasty/mashlike)
- cream cheese (pasty/mashlike)
- cottage cheese (grainy)
- cottage cheese (sliceable)

Before fruits and spices are added the quality of the intermediate product is assessed by the measurement of the water content / total solids.

In difference to cream cheese the curd cheese must have a legal required content of total solids of at least 18%.

The measurement is effected by two inline sensors in a flow cell directly in the pipe. The TS-value is displayed by the evaluation unit HK1-M and is also available as 0/4-20mA analogue-signal-output.

Basic calibration at delivery, simple start-up with one-point calibration. Rugged industrial design. Maintenance free. Quick connection. RS232 / RS485. Softkeys. -20 bis +85°C.

Protection IP65

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25 years experience

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