

Food Industry Flowmeter LXP4

The flowmeter consists of an induction sensor of the flow and of an evaluating processor unit. The processor unit can be connected with up to four flow sensors and one temperature sensor. The flowed volume of the liquid and the temperature given by the platinum sensor and other process information are consecutively indicated on the processor unit display. Status of the flowed amount register can be separately reseted by means of the locked up press button.

Design of the flowmeter permits to apply the common way of the pipeline cleaning by passing through the mechanical element without the flow sensor removing - the measuring part is the cylindrical pipe of the same inner diameter as the pipeline one. The reset of the registers is blocked by the locked up press button and the registration is blocked by means of the switch SANITATION during the cleaning.

The register data of the evaluating unit can be taken over by the external computer by means of the standard interface. The communication network of the central data processing can be created by the connection of the flowmeter groups (max 128) to the central PC unit.

Application

In the food industry, in distribution and consumption of the delivered liquid or paste media with dominant content of drinking water and water suspensions of mineral particles and crystals, such as beer, wine, lemonade, milk products, syrups, jams etc.

Technical data

- flow measuring range: 0,3 to 60 litres/min
- flow measuring accuracy: 2% of the measured value
- difference at the repeated measurment 0.25%
- flow measuring resolution: option 0.1 or 0.01 litre
- flow registration range: from 0.01 to 1,000,000 litre
- measured medium temperature: 0°C to 80°C (the ice rocks are permitted), temperature measuring accuracy 0.1°C
- maximum pressure: 550 kPa (pressure shocks are permitted)
- outer thread: 5/8", flow sensor assembly length 130 mm
- covering IP 44 or IP 55, any assembly position is possible
- power supply voltage 230V/50Hz, power input 5.5VA for one sensor, 10 VA for four sensors
- applied interface for evaluating unit: RS 485 - for connection to the standard PC
- at power supply cut off the flowmeter does not work, measured data are saved
- possibility to complete by the stand-by power supply LXZ 4
- the flow of the foam or gas is not registered
- used materials of sensors, which are in contact with the measured liquid, are tested according to the European food standards