

FLOW 37

Batch flow meter

The compact induction flow meter FLOW 37 is designed for exact measurement of various fluids during the batching process, namely their lower amounts. The meter is delivered without a display with 15 ÷ 24 V power supply. Furthermore, it is equipped with an input signal for synchronization of the measuring cycle with the start of batch but it can also serve as a control signal for starting the batch from the parent system. The pulse output can indicate the flow volume e.g. in millilitres or it can be used to control a valve. The operation of LED serves for clear evaluation of the meter's readout.

Main merits

- Possibility of using in filling machines
- The measuring tube is resistant to effect of vacuum
- High sampling rate up to 1.6 kHz
- Possibility to incorporate electronics for direct control of a valve
- Wide variability of the system
- Variable flow pulse number
- The flow sensor can be modified to a very aggressive or alkaline fluid
- Very firm structure made of high quality grade steel grade

Flow meter specification

Diameter Nominal range	DN 6 ÷ DN 40
Supply voltage	15 ÷ 24 V DC
Instrument power consumption	4.2 VA
Maximum operating pressure [MPa]	up to 4.0 MPa
Maximum operating temperature [°C]	up to 90°C
Process connection	Sandwich • threaded • food industry screw fitting (DIN 11851)
Construction	Compact
IP code	IP 54 • IP 65 • IP 67
Display	No display
Max. permitted ambient temperature	55°C
Outputs, communication	2x pulse (passive)
Input signals	Synchronization / start of batch
Pulse output constant	Arbitrary, max. 1.6 kHz
Qmin/Qmax flow measurement range	1:30
Flow meter accuracy	Accuracy 0.5%; repeatability 0.2% (in basic range)

