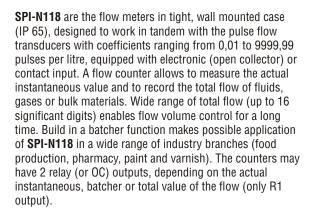
simex

SPI-N118

- flow meter, batcher, totalizer
- 1 pulse counting input + 3 control inputs
- 0 or 2 relay outputs (or OC)
- power supply output 24V DC
- RS-485 / Modbus RTU



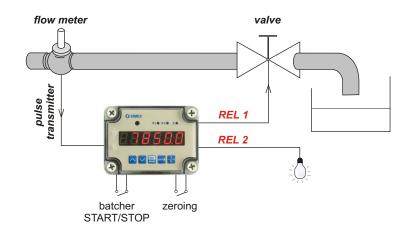
- display of instantaneous and the total flow values,
- batching and counting of doses,
- setting the volume units, the flow time and decimal point,
- settable delay time of control outputs: up to 99 sec. or min. and threshold hysteresis setting,
- ACCESS option easy threshold modification.





Typical applications

Filling a tank with the flow rate measurement and alarm signalling.



Technical data

Power supply: 230V AC ± 10% separated, 110V AC ± 5% separated or 24V DC ± 15% not separated

Power consumption: for 230V AC and 110V AC: max. 2,6 VA; for 24V DC: max. 4,5 W Display: LED, 6 x 13 mm high, red (green - on request), brightness adjustable in 8 steps Input: pulse, fully insulated

COM - common

zeroing of batcher counter - active edge or level zeroing of total counter - active edge or level counting blockade - active edge or level

- counting input with debouncing filter and pulse width pulse input

control, max. input frequency 10.0 kHz

Displayed values range: 0 ÷ 999999 + decimal point

Frequency measurement accuracy: ± 0.02% (full temperature range) Precision of flow readout: equivalent to used flow sensor precision

Accuracy of instantaneous flow values: selected in the 0 ÷ 0,00000 range

Instantaneous flow unit: I or m³ per second, minute or hour

Balance counter capacity: over 4 x 109 pulses (max. 16 significant digits)

Balance accuracy: selected in the ± 1 to $\pm 0,0001$ range

Total flow and batcher counter precision: selected from range: $0 \div 0.000$

Batcher counter range: 65536 m³

Pulse waiting time: settable from 0,1 to 39,9 seconds

Outputs: 0 or 2; relays 1A/250V AC (cosφ=1) or the OC 30mA/30VDC/100mW Transducer power supply output: 24V DC, non-stabilized, not insulated from measuring inputs; for 230V and 110V AC power supply: ± 3V max. 25 mA; for 24V DC

power supply: ± 15% max. 100 mA

Communication interface: RS-485, 8N1 and 8N2, 1200 bit/s ÷ 115200 bit/s, Modbus RTU (not galvanically insulated)

Data memory: non-volatile memory, EEPROM type

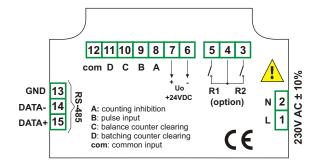
Operating temperature: 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option) Storage temperature: -10°C ÷ +70°C (standard), -20°C ÷ +70°C (with option 08)

Protection class: IP 65 Case: wall-mounted

Case material: ABS + fibreglass

Case dimensions: without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm

Examplary pin assignment



Ordering

