

FLOW 32

Industrial flow meter

It is an induction flow meter with an evaluation unit right inside the meter's sensor. Thanks to its small size, it can be used where minimization is primarily required. The meter can be equipped with a LED light bar to indicate current flow within the measuring range. The output of the meter consists of a pulse output with an adjustable pulse number and pulse width or a PWM output (Pulse Width Modulation). The meter is equipped with ground electrodes so it is not necessary to use grounding rings before and after the meter. The meter can be also used as a flow monitor. The pulse output constant can be set to 650 Hz. The meter is designed for repeating integration in production units.



Main merits

- Low size of the flow meter – the electronic unit in the flow meter body
- Possible signalling using a LED light bar
- Wide range of applications in technological processes
- High abrasion resistance
- Variable flow pulse number
- Usable with media having conductivity higher than 5 $\mu\text{S}/\text{cm}$
- High repeatability of measurement over full-scale range of flow
- High variability of mechanical connection with modification according to customer

Flow meter specification

Diameter Nominal range	DN 6 ÷ DN 20 (or upon agreement with the manufacturer)
Supply voltage	15 ÷ 24 V DC
Instrument power consumption	3 VA (without LED light bar)
Maximum operating pressure [MPa]	up to 2.5 MPa
Maximum operating temperature [°C]	up to 75°C
Process connection	Threaded • hose adapters • quick-couplings other (upon agreement with manufacturer)
Construction	The compact unit with an evaluation unit inside the flow sensor body
IP code	IP 54 • IP 65 • IP 67
Display	Without display • LED light bar
Max. permitted ambient temperature	55°C
Outputs, communication	Pulse • PWM
Input signals	Upon agreement with the manufacturer
pulse output constant	arbitrary, max. 650 Hz with adjustable pulse width
Qmin/Qmax flow measurement range	1:60
Flow meter accuracy	Accuracy 1%; repeatability 0.5% (in basic range)