

Set of induction flow meters FLOW 32 Multi

For composed system where more parallel processes within one technological production line are monitored, we provide a unified set of several (usually six) independent flow meters. The system is characterized with high compactness and in connection with the LED light bar for information on current quantity of flow within the measuring range, it is an ideal solution for mounting the flow meter with the necessity of a zero pressure loss and with highly precise measurement at the same time. The output can be implemented by a pulse signal with an arbitrary pulse constant or a PWM signal (Pulse Width Modulation signal), whereas each flow meter is independently led to an 8-pin M12 connector.

Main merits

- Highly resistant against pressure impacts ■
- Possible signalling using a LED light bar ■
- Zero pressure loss ■
- Highly compact design ■
- Variable flow pulse number ■
- Usable with media having conductivity higher than 5 $\mu\text{S/cm}$ ■
- 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	Thread • 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
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)