

Flow Sensor

FFAF093

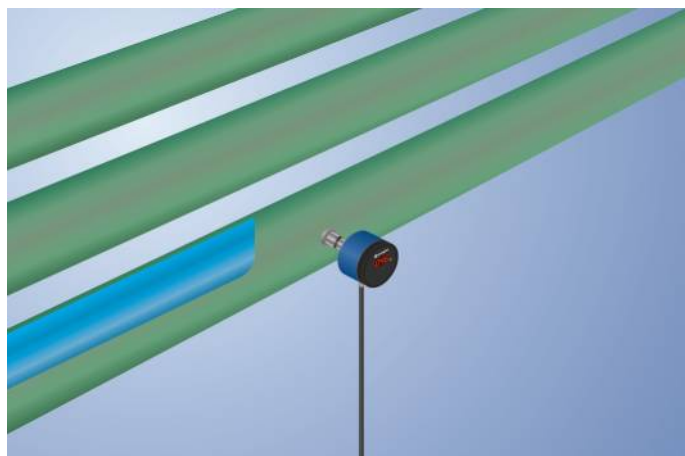
Part Number

UniFlow



- Display can be switched between flow and medium temperature
- Highest precision of its class
- Installation in any position
- Measurement independent of flow direction
- Simple operation via the display
- Temperature of the medium: 0 ... 60° C (140° C for 24 hours without current measurement)

wenglor UniFlow flow sensors measure the flow rate of aqueous and oily media in closed piping systems. UniFlow flow sensors are very easy to operate thanks to the integrated display. The highly visible switching status display enables the rapid localization of affected sensors for maintenance processes.



Technical Data

Sensor-specific data

Measuring Range	15...100 cm/s
Setting Range	20...100 cm/s
Medium	Oil
Measuring error (total)	2 %
MTTFd (EN ISO 13849-1)	766,91 a
Switching Hysteresis	5 %
Temperature gradient	30 K
Response time in case of temperature jump	10 s

Environmental conditions

Temperature of medium	0...60 °C
Ambient temperature	-20...70 °C
Pressure Resistance	60 bar
EMC	DIN EN 60947-5-9
Shock resistance per DIN IEC 68-2-27	30 g / 11 ms
Vibration resistance per DIN IEC 60068-2-6	20 g (10...2000 Hz)

Electrical Data

Supply Voltage	16...32 V DC
Current Consumption (U _b = 24 V)	60 mA
Number of Switching Outputs	1
Analog Output	4...20 mA
Signal source	Flow
Response Time	4...15 s
Relay Output/Switching Current (24 VDC)	< 1 A
Current Output Load Resistance	< 500 Ohm
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Protection Class	III

Mechanical Data

Setting Method	Menu
Housing Material	PBT; PC; FKM
Material Control Panel	Polyester
Material in contact with media	1.4435; 1.4404; FKM
Degree of Protection	IP67 *
Connection	M12 × 1; 5-pin
Process Connection	G 1/2"
Process Connection Length (PCL)	47 mm
Probe Length (PL)	10 mm

Analog output flow	●
PNP NO	●

Connection Diagram No.	1002
Control Panel No.	A03
Suitable Connection Equipment No.	35
Suitable Mounting Technology No.	903 905

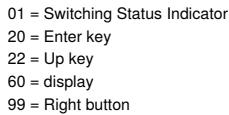
* Certified by wenglor

Complementary Products

Seal G1/2" ZH5G002
Software



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Legend