

Flow measuring transducer with Hall-effect sensor



FOR LOW VISCOS, NON AGGRESSIVE LIQUIDS

VISION 2008

Flow measuring transducer incl. elbow-type plug

General:

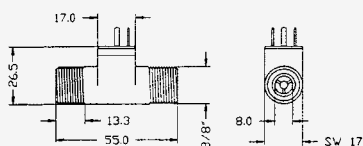
- minimum size, maximum accuracy
- easy installation,
- installation in any position possible
- optimum-quality due to high-quality materials used
- no maintenance

Application:

- manufacturing of oil and gas burners, flow heaters or cooling systems
- for dish washers and washing machines
- automotive technology (measuring of petro consumption, etc.)
- laboratories, chemical works, pharmaceutical industry
- agriculture and horticulture

Specification:

Rotor-position scanning:	Hall-Sensor
Measuring range:	1.5 ... 25 l/min
Resolution:	approx. 1000 pulses/l
Measuring agent:	clean liquids, we recommend filtering with approx. 20 ... 40 micron
Viscosity:	up to approx. 15 cSt.
Accuracy:	±3 % ranging from 10 - 10 %
Repeatability:	< 0.5 %
Working temperature:	-20 ... +100 °C
Operating pressure:	25 bar
Electric connection:	elbow-type plug acc. EN 175301-803/A, type C industrial
Auxiliary energy:	5 - 24 V DC, approx. 8 mA
Multiplier (R):	1 - 2.2 kOhm
Output signal:	frequency 5 - 416 Hz, open collector NPN
Output current:	max. 20 mA
Dimensions:	approx. 55 x 17 x 30 mm
Material:	
Housing:	Grilamid TR55 (PA12)
Rotor:	Grilamid (PA12 Ferrit)
Bearings:	PTFE 15 % graphite
Delivery connection:	G 3/8" thread
DN:	8 mm
Weight:	approx. 15 g



Axial turbine flow sensor for liquids



VTH 25 MS - 180

cpl. with 2 m of cable, ready for plug-in.

General:

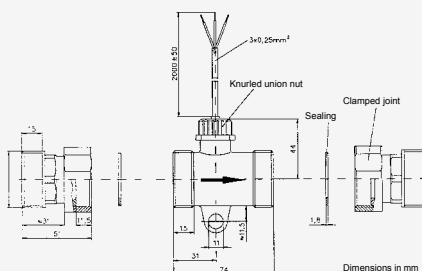
The flow sensor VTH25MS-180 is a measuring transducer used for measuring the volume flow or for dosing. It is suitable for a wide range of applications due to its compact design, large measuring range and high measuring accuracy.

Application:

- cooling water measurements, tapping installations, dosing units
- medical technology, plastics industry, laboratory
- solar systems, heating application, heat quantity measurement
- bakery machines, kitchen machines
- machine tools

Specification:

Sensor:	Hall-effect-sensor
Measuring range:	4 ... 160 l / min, max. 80 l/min with continuous operation (signal emission as of 1 l / min)
Resolution:	approx. 65 pulses / litre
Measuring agent:	liquids
Max. particle size:	0.5 mm
Measuring accuracy:	±3 % of measured value
Repeatability:	±0.5 %
Working temperature:	Tmax = 85 °C
Max. operating pressure:	10 bar
Auxiliary energy:	10 - 30 V DC
Output signal:	frequency, open collector NPN
Output current:	max. 20 mA
Material:	
Duct:	brass
Turbine cage:	PPO Noryl GFN 3V 960
Rotor:	PPO Noryl GFN 2V 73701, with solenoids
Bearings:	sapphire / PA
Shaft:	CrNi-steel (1.4436)
Delivery connection:	R 1 1/4" - outer thread
Nominal width:	DN 25



Device for monitoring the level (capacitive)



GNS-SCV-W

Probe for application in water and all conductive liquids

GNS-SCV-Z

Probe for application in oil and all no-conductive liquids

General:

The GNS-SCV capacitive probes are the best way to monitor the level condition of liquids as water, oil gasoline and solid products as powder and granular.

- Sealed
- No moving parts
- very reliable

Application:

- Water
- Oil
- Gasoline
- Solid products as powder or granular

Specification:

Stromversorgung:	12 ... 35 V DC / 5 mA
Schaltausgang:	NPN no-active / max. 3 W
Electrical connection:	Plug EN 175301-803/A
Process connection:	1/4" NPT, Brass
Switch delay:	4 s
Electrode:	Cu-Zn
Electrode coating:	PTFE
Electrode length:	50 mm
Switch point:	
40 mm ± 2 mm	vertical mounting
on the axis of SCV	horizontal mounting
Pressure max.:	25 bar
Temperature max.:	-30 ... +125 °C

Dimensions [mm]:

SW	A	B	L0	L1
24	74	10	50	40 ± 2

