



ELEKTRONIK

FLOW CONTROLLER

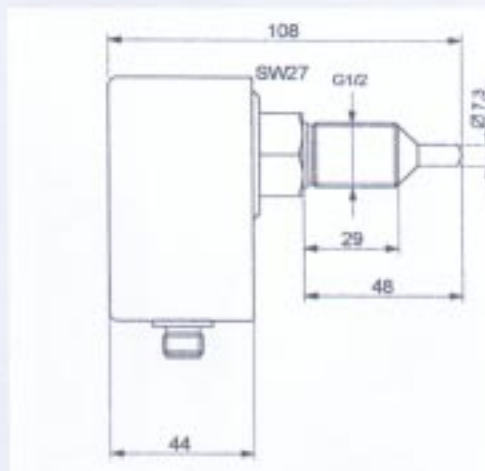
Compact Model with analogue output • Series 400

Monitoring equipment for fluids

- Linear analogue output 4...20 mA
- Self-contained sensor
- One-piece special steel sensor
- LED-Line



SN 450/1...



G 1/2

TYPE	ID-NO.	DESIGN
SN 450-A4-GA	P11121	Compact model G1/2 stainless steel A4 24V DC l = 31cm
SN 450/1-A4-GA	P11095	Compact model G1/2 stainless steel A4 24V DC l = 48cm
SN 450-A4-GA-3M	P11118	Compact model G1/2 stainless steel A4 24V DC l = 31cm
SN 450/1-A4-GA-3M	P11122	Compact model G1/2 stainless steel A4 24V DC l = 48cm

ACCESSORIES

SLG 3-2	Z01076	cable plug casing M12	2 m PVC straight
SLG 3-5	Z01077	cable plug casing M12	5 m PVC straight
SLW 3-2	Z01078	cable plug casing M12	2 m PVC angled
SLW 3-5	Z01079	cable plug casing M12	5 m PVC angled

Note

Different designs, materials and/or electrical data are available on request.

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Technical Data

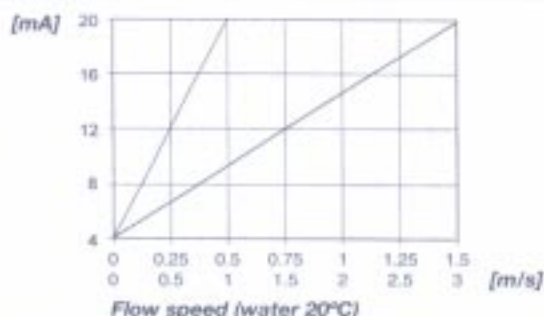
Supply voltage	24 V DC \pm 10%
Current consumption	< 100 mA
Output	Analogue 4...20 mA
Load	< 500 Ω
Temperature range	-20...+70 °C
Response time (90%)	ca. 10 s
Linearity deviation	< 10 %
Material sensor	A4 (AISI 316 Ti)
Material housing	Polyamid
Compressive strength	30 bar
Protection (DIN 40050)	IP 67
Connection	Universal plug system M12
	1 BN + UB
	3 BU - UB
	4 BK Output 4...20 mA

Measuring range/Adjustment information

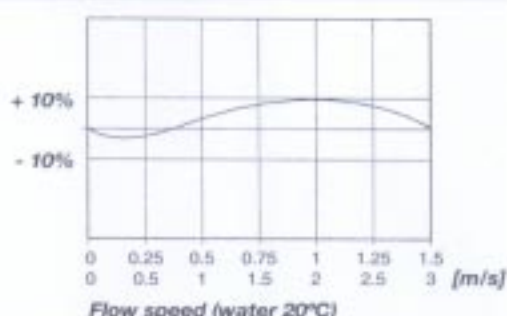
The SN 450 GA is preadjusted at the factory to a detection range of 5-150 cm/s and the SN 450-GA-3M is preadjusted to 5-300 cm/s (water). The steepness of the characteristic curve can be changed with the potentiometer in such a way so that even at a flow speed of e.g. 50 cm/s an output current of 20 mA can be reached (see diagram).

In order to do this the potentiometer is turned clockwise while there is a pre-determined flow until the desired final value is reached.

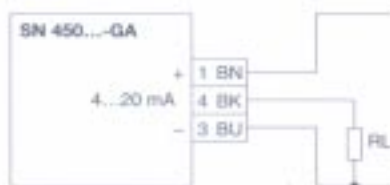
Output



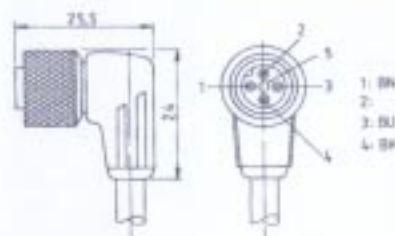
Linearity deviation



Connection



Plug assignment



LED-Line

red	= 4 mA	3. green	> 12 mA
1. green	> 4 mA	4. green	> 16 mA
2. green	> 8 mA	5. green	= 20 mA

Installation for max. linearity (A or B)

