

Continuous Level Sensor



Application

- continuous level monitoring in metallic vessels up to 2,5m
- suitable for level measurement of pastes and adhesive media
- two-rod version for plastic vessels available
- conductivity 1µS/cm min (e. g. distilled water)

Application Examples

- continuous level monitoring in small vessels down to 200mm
- level control in first running vessels of dosing plants to ensure a constant pressure

Hygienic Design / Process Connection

- by using Negeles weld-in sleeve EMZ-352 or EMZ-132 respectively will result a hygienic measurement point, easy to sterilize and with a minimum of flow resistance
- CIP-/ SIP-cleaning up to 150°C
- FDA conformable sensor materials
- sensor completely made of stainless steel, isolator made of PEEK
- available process connections:
Tri-Clamp, dairy flange, DRD, Varivent, APV-Inline, BioControl

Features

- potentiometric measurement principle
- integrated evaluation circuit with 4-20mA output signal
- defined empty signal

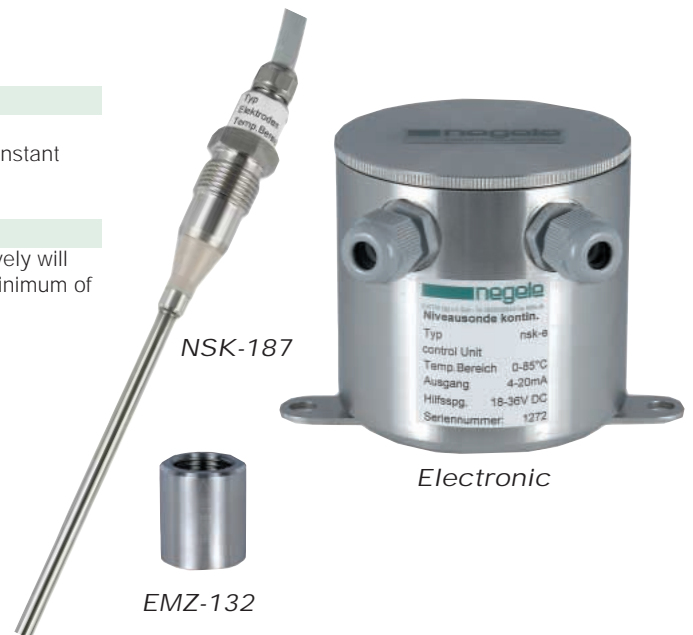
Options / Accessories

- isolation of rods upper 100mm if the sensor is installed from the top
- installation from the bottom side

Attention: Use only Negele weld-in systems to ensure a save function of the measurement point!

Specification

Process connection	thread	G1/2" or G1" resp. at the sensor
	torque G1/2"	10Nm max
	torque G1"	20Nm max
Materials	head / thread connection	stainless steel V2A, (1.4305) 55mm dia. / WW 36mm
	isolator	PEEK
	rods	stainless steel (1.4404) 6 or 10mm dia.
Operation pressure		10bar max
Temperature ranges	ambient	0...70°C
	process	-10...100°C
	CIP-/ SIP-cleaning	-10...150°C 30min max



rod length in mm	200...500	501...2500
rod in mm	Ø 6	Ø 10
thread connection	G1/2" G1"	G1"
double rod version	G1" Ø6/Ø4	G1" Ø6/Ø4

Accuracy		≤ 1,0%
Linearity		≤ 1,0%
Electr. connection	2x cable entry	PG (M16x1,5)
		2pin 1,5mm ²
	cable connection	M12 plug-in for power supply
	supply voltage	18...36V DC
Sensor connection	cable LIYY (oil resist.)	5x0,75mm ²
	length max	1,5m (or shorter)
Output	analog	4-20mA, burden resist. 500Ω max
Empty signal	output	2,4mA
Type of protection		IP69K

Order Code

Type	Model	Rod length	Installation position/ Isolation	Electrical connection
NSK-187	single rod G1/2" with ≤1,5m cable and electronic	100... 500mm		
NSK-387.1	single rod G1" with ≤1,5m cable and electronic	100... 500mm	o top / without	PG M12 (power supply only)
NSK-387.2	double rod G1" with ≤1,5m cable and electronic	200... 800mm	oi top / with	
NSK-388	single rod G1", Ø10mm with ≤1,5m cable and electronic	501... 2500mm	isolation	
			u bottom / without	
			isolation	

Order example: **NSK-187 / 200 / oi / PG**



