

## ANDERSON NEGELE - POTENTIOMETRIC CONTINUOUS LEVEL SENSOR

NSL-M-00, -01

NSL-M-00



- Continuous level measurement in metallic vessels up to 3 metres
- Ideal for adhesive or pasty media
- Level measurement of foaming media
- Minimum product conductivity typically 50  $\mu\text{S}/\text{cm}$

### PRODUCT DESCRIPTION

- Compact and robust sensor with minimal size ratio
- 2-wire sensor with 4...20 mA output signal
- No adjustment after media change due to potentiometric measurement principle
- Individual parameter adjustment or programming via PC interface
- Head adjustment for M12-plug possible with twistable sensor head
- Mounting in vessels is possible from bottom and from top
- Mounting on the side is possible with angled sensor
- Current signal for measurement range, dry signal and error signal adjustable

Please refer to the image below for ordering information.

Order code										
<b>NSL-M-00</b> (Potentiometric level sensor for food application, 2-wire technology, straight version)										
Rod length EL, choose length 50...3000 mm in 10 mm raster, intermediate sizes in 1-mm steps on request										
0050...3000 (material 1.4404)										
Rod diameter										
06 (Ø 6 mm, up to rod length 199 mm)										
10 (Ø 10 mm, from rod length 200 mm)										
Process connection version										
S0 (CLEANadapt G1/2" hygienic)										
S1 (CLEANadapt G1" hygienic)										
TC1 (Tri-Clamp 1...1½")										
TC2 (Tri-Clamp 2")										
TC3 (Tri-Clamp 3")										
V25 (Varivent Typ F, DN25)										
V40 (Varivent Typ N, DN40/50)										
Surface roughness										
8 (R <sub>a</sub> ≤ 0.8 µm)										
Material certificate										
0 (no certificate, standard)										
Z (with 3.1 material certificate for 1.4404)										
Installation position										
0 (installation from top)										
U (installation from bottom)										
6 (installation from top with isolation)										
Output signal										
A2M (4...20 mA, analog, 2-wire)										
Electrical connection										
M12 (M12-plug 1.4305)										
Isolation at rod end										
X (without, standard)										
PK (with PEEK isolation)										
Parameter configuration										
X (standard)										
S (write out details)										
NSL-M-00/	1500/	10/	S0/	8/	0/	U/	A2M/	M12	X/	X

## TECHNICAL DATA

Approvals	3-A, FDA
Area	Food
Area of application	Food
IP class	IP69K
Length	50 .... 3000 mm
Material	Stainless steel
Material of sensor housing	Stainless steel 1.4308
Material of wetted parts	PEEK, Stainless steel 316L
Measurement technology	Conductive
Mounting	Topmounted, Side-mounted
Pressure resistance max	16 bar

<b>Response time</b>	100 ms
<b>Signal type</b>	IO-link, 4-20 mA
<b>Storage temperature max</b>	85 °C
<b>Storage temperature min</b>	-45 °C
<b>Supply voltage dc max</b>	36 V DC
<b>Supply voltage dc min</b>	18 V DC
<b>Surface finish</b>	0.8 µm Ra
<b>Temperature ambient from</b>	0 °C
<b>Temperature ambient to</b>	70 °C
<b>Temperature of media from</b>	-10 °C
<b>Temperature of media to</b>	140 °C