

## ANDERSON NEGELE - POTENTIOMETRIC CONTINUOUS LEVEL SENSOR

NSL-M-00, -01

NSL-M-01



- 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  $\mu\text{S/cm}$

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

## TECHNICAL DATA

Approvals	3-A, FDA
Area	Food
Area of application	Food
IP class	IP69K
Length	80 .... 1500 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

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