

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

### 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****NSL-M-00** (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** ( $R_a \leq 0.8 \mu\text{m}$ )

**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**

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