

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 µS/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 lenght 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

- O (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/ 50/ 8/ 0/ U/ A2M/ M12 X/ X

Specifications

Approvals	3-A, FDA
IP Class	IP69K
Length	50 3000 mm
Response Time	100
Supply Voltage DC Max	36
Supply Voltage DC Min	18
Surface Finish	0.8
Temperature ambient from	0
Temperature ambient to	70
Temperature range bearing, from	-45
Temperature range bearing, to	85

Temperature range of media from	-10
Temperature range of media to	140
Trykmodstand max	16