

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 | |

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 |