

Product Information NSL-F-02, NSL-FR-02

FOOD

Potentiometric level sensor NSL-F(R)-02 double rod design

Range of application

- · Continuous level measurement in non-metallic vessels
- · Level measurement of foaming media
- Minimum product conductivity typically from 50 μ S/cm (available on request for lower values)
- · Hygienic substitute for float sensors

Application examples

- · Process such as ballance tanks and fillers
- · Level measurement in storage vessels
- · Level monitoring in pressurized vessels

Hygienic design/Process connection

- · Hygienic process connection with CLEANadapt
- · All wetted materials are FDA-conform
- · Sensor completely made of stainless steel
- · Complete overview of process connections: see order code
- The Anderson-Negele CLEANadapt system offers a flow-optimized, hygienic and easily sterilizable installation solution for sensors.

Features

- · CIP-/SIP-cleaning up to 143 °C / max. 120 minutes
- · Protection class IP 69 K (with cable connection)
- · Short response time for precise measured values with fast level changes
- Due to the potentiometric measuring principle, no new adjustment is necessary when changing the medium
- · Insensitive to adhesion
- · Adjustment of the display by means of the twistable sensor head
- · Current signal for measurement range, dry signal and error signal adjustable
- · Display module Simple User Interface (SUI) and Large User Interface (LUI)
- · Remote version with cable length up to 30 m

Head unit remote version (HUR)







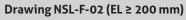
and Technology Impulse Tell Wachsture on the basis of a decision by the German Bundestag NSL-F-02

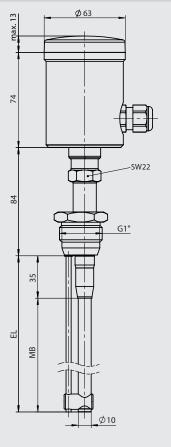


Note

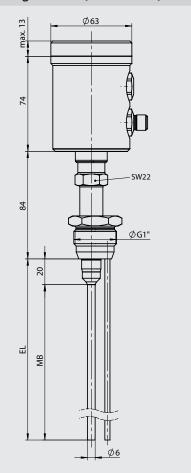


This product information is a supplement to Product Information NSL-F-00. Except for the rod length of 200 mm up to max. 1500 mm, the NSL-F-02 is identical to the NSL-F-00. The data, instructions and other information provided in Product Information NSL-F-00 also apply to this sensor variant.

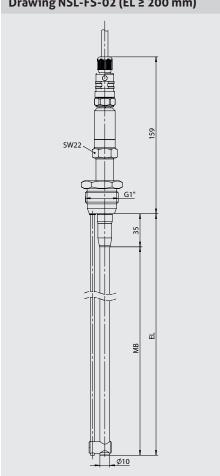




Drawing NSL-F-02 (EL < 200 mm)



Drawing NSL-FS-02 (EL ≥ 200 mm)



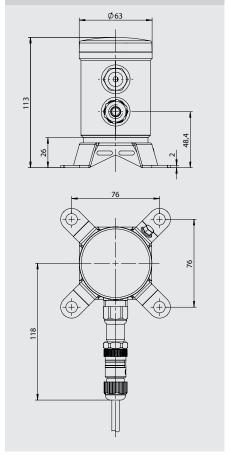
NSL-F-02 with insulation at top (EL ≥ 200 mm)



NSL-F-02 (EL < 200 mm)

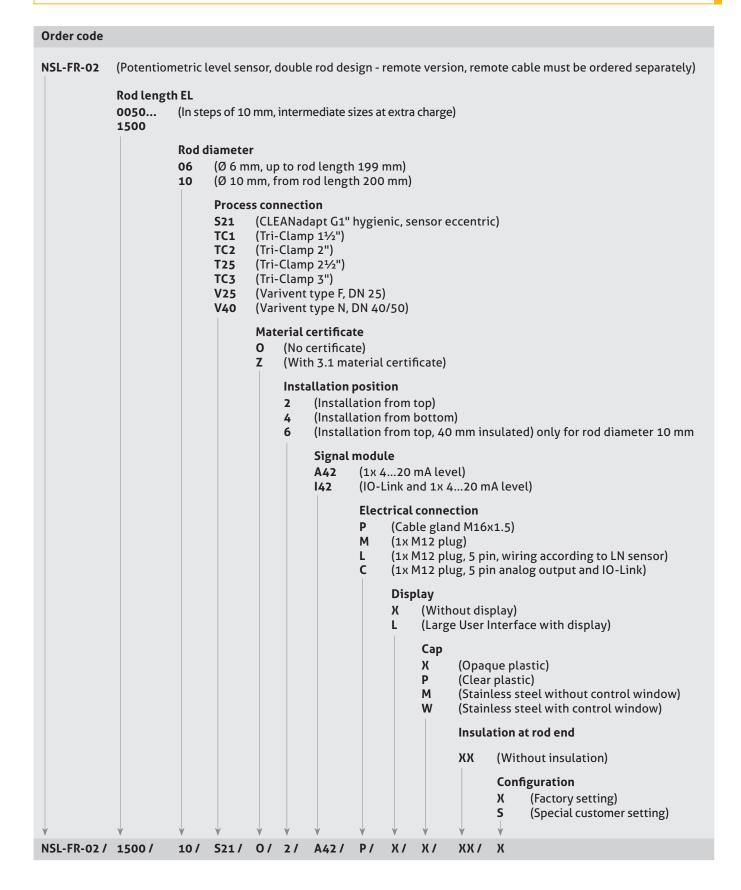


HUR | Head unit remote version



Order Code FOOD

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Order code NSL-F-02 (Potentiometric level sensor, double rod design) Rod length EL 0050... (In steps of 10 mm, intermediate sizes at extra charge) 1500 Rod diameter (Ø 6 mm, up to rod length 199 mm) 06 10 (Ø 10 mm, from rod length 200 mm) **Process connection** (CLEANadapt G1" hygienic, sensor eccentric) **S21** TC1 (Tri-Clamp 1½") TC2 (Tri-Clamp 2") T25 (Tri-Clamp 21/2") (Tri-Clamp 3") TC3 V25 (Varivent type F, DN 25) V40 (Varivent type N, DN 40/50) Material certificate (No certificate) (With 3.1 material certificate) Installation position 1 (Installation from top, head orientation horizontal) 2 (Installation from top, head orientation vertical) (Installation from bottom, head orientation horizontal) (Installation from bottom, head orientation vertical) 5 (Installation from top, head orientation horizontal, 40 mm insulated) only for rod diameter 10 mm 6 (Installation from top, head orientation vertical, 40 mm insulated) only for rod diameter 10 mm Signal module A42 (1x 4...20 mA level) 142 (IO-Link and 1x 4...20 mA level) **Electrical connection** P (Cable gland M16x1.5) (1x M12 plug) м (1x M12 plug, 5 pin, wiring according to LN sensor) L (1x M12 plug, 5 pin analog output and IO-Link) **Display** X (Without display) S (Simple User Interface with small display) L (Large User Interface with display) Cap X (Opaque plastic) P (Clear plastic) М (Stainless steel without control window) W (Stainless steel with control window) Insulation at rod end (Without insulation) XX Configuration X (Factory setting) S (Special customer setting) NSL-F-02 / 1500/ 10/ S21/ 0/ 2/ A42/ **P**/ Х/ Х/ XX/ Х