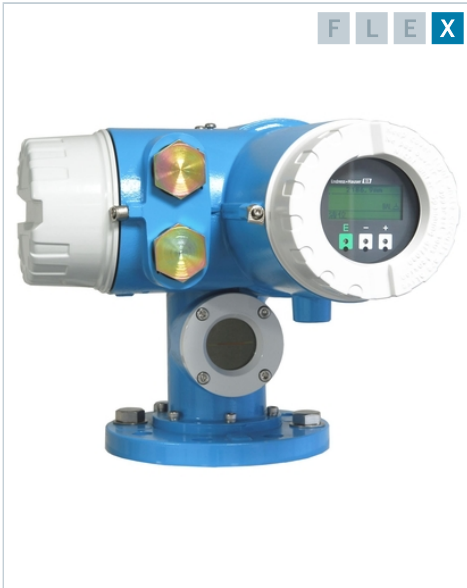


## Proservo NMS5



More information and current pricing:

[www.ch.endress.com/NMS5](http://www.ch.endress.com/NMS5)

### Benefits:

- Measures two clear interface levels and specific gravity of up to three liquid phases
- Profiling of liquid density throughout the tank (tank profile) and upper layer (I/F profile)
- SIL2 certified alarm output (min., max. and range)
- Wetted parts are completely separated from the electronic circuit
- Tank top mounting with 3" flange weighing only 12kg (aluminum version)
- Wide range of output signals including V1, RS 485 Modbus, WM550, M/S, Enraf BPM and HART protocol
- Suitable for atmospheric and high pressure applications up to 25bar

### Specs at a glance

- **Accuracy** +/- 0.7 mm (+/- 0.03")
- **Process temperature** -200 °C ... 200 °C (-328 °F ... 328 °F)
- **Process pressure absolute / max. overpressure limit** 0.2 bar g ... 25 bar (3 psi ... 363 psi)
- **Max. measurement distance** Standard: maximum 47 m (154 ft)
- **Main wetted parts** 316 SUS

**Field of application:** The intelligent tank gauge Proservo NMS5 is designed for high accuracy liquid level measurement in custody transfer and inventory control applications. It fulfills the exact demands of tank inventory management and loss control and is optimized in regards of total cost saving and safe operation.

### Features and specifications

Continuous / Liquids

**Measuring principle**

Servo / Float Tank Gauging

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**Continuous / Liquids****Characteristic / Application**

High precision measurement for liquid level, interface, density

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**Supply / Communication**

85-264 VAC

20-55 VAC/20-62 VDC

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**Accuracy**

+/- 0.7 mm (+/- 0.03")

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**Ambient temperature**

Standard:

-20 °C ... 60 °C

(-4 °F ... 140 °F)

Optional:

-40 °C ... 60 °C

(-40°F ... 140 °F)

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**Process temperature**

-200 °C ... 200 °C

(-328 °F ... 328 °F)

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**Process pressure absolute / max. overpressure limit**

0.2 bar g ... 25 bar

(3 psi ... 363 psi)

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**Main wetted parts**

316 SUS

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**Process connection**

DN80 ... DN150

3" ... 6"

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**Max. measurement distance**

Standard: maximum 47 m (154 ft)

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## Continuous / Liquids

### Communication

4 ... 20 mA HART

Modbus

V1

WM550

BPM

Mark-Space

Contact relay x4

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### Certificates / Approvals

ATEX, FM, CSA, IEC Ex, TIIS, NEPSI

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### Safety approvals

SIL2

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### Application limits

Stilling well or guide wires for turbulent application

Maximum measuring range with custody transfer approval: 28 m (92 ft)

Recommend PTFE displacer for high viscosity application

Interface measurement requires min. difference of 0.100 g/ml between layers

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More information [www.ch.endress.com/NMS5](http://www.ch.endress.com/NMS5)