

Proservo NMS5



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/NMS5

Lợi ích:

- 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

Tổng quan về thông số kỹ thuật

- **Accuracy** +/- 0.7 mm (+/- 0.03")
- **Process temperature** -200 °C ... 200 °C (-328 °F ... 328 °F)
- **Process pressure / 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

Phạm vi ứng dụng: 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.

Tín năng và thông số kỹ thuật

Continuous / Liquids

Measuring principle

Continuous / Liquids**Characteristic / Application**

High precision measurement for liquid level, interface, density

Supply / Communication

85-264 VAC

20-55 VAC/20-62 VDC

Accuracy

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

Ambient temperature

Standard:

-20 °C ... 60 °C

(-4 °F ... 140 °F)

Optional:

-40 °C ... 60 °C

(-40°F ... 140 °F)

Process temperature

-200 °C ... 200 °C

(-328 °F ... 328 °F)

Process pressure / max. overpressure limit

0.2 bar g ... 25 bar

(3 psi ... 363 psi)

Main wetted parts

316 SUS

Process connection

DN80 ... DN150

3" ... 6"

Max. measurement distance

Standard: maximum 47 m (154 ft)

Continuous / Liquids**Communication**

4 ... 20 mA HART

Modbus

V1

WM550

BPM

Mark-Space

Contact relay x4

Certificates / ApprovalsATEX, FM, CSA, IEC Ex, TIIS, NEPSI

Safety approvalsSIL2

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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