

Prosonic M FMU43



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/FMU43

Lợi ích:

- Reliable non-contact measurement
- Quick and simple commissioning via menu-guided on-site operation with four-line plain text display, 7 languages selectable
- Envelope curves on the on-site display for simple diagnosis
- Hermetically sealed and potted sensor
- Chemically resistant sensor out of PVDF
- Calibration without filling or discharging
- Integrated temperature sensor for automatic correction of the temperature dependent sound velocity

Tổng quan về thông số kỹ thuật

- **Accuracy** +/- 4 mm or +/- 0.2 % of set measuring range 1)
- **Process temperature** -40 °C ... 80 °C (-40 °F ... 176 °F)
- **Process pressure / max. overpressure limit** 0.7 bar ... 2.5 bar abs (10 psi ... 36 psi)
- **Max. measurement distance** 7 m (23 ft)
- **Main wetted parts** unsaturated polyester, 316 Ti

Phạm vi ứng dụng: The Prosonic FMU43 sensor is suited for non-contact level measurement in fluids, pastes, coarse bulk material and flow measurement in open channels or at weirs. The two-wire or four-wire compact transmitter can be used in applications with storage tanks, agitators, on stockpiles and conveyor belts. The envelope curve can be shown on the on-site display for simple diagnosis. Linearization function (up to 32 points) for conversion of the measured value into any unit of length, volume or flow rate.

Tín năng và thông số kỹ thuật

Continuous / Liquids

Measuring principle

Ultrasonic

Continuous / Liquids

Characteristic / Application

Compact ultrasonic transmitter

Supply / Communication

4-wire (HART), PROFIBUS PA, FOUNDATION
Fieldbus

Accuracy

+/- 4 mm or +/- 0.2 %of set measuring range

Ambient temperature

-40 °C ... 80 °C
(-40 °F ... 176 °F)

Process temperature

-40 °C ... 80 °C
(-40 °F ... 176 °F)

Process pressure / max. overpressure limit

0.7 bar ... 2.5 bar abs
(10 psi ... 36 psi)

Main wetted parts

Unsaturated Polyester, 316 Ti

Process connection

DN 100, ASME 4"

Blocking distance

0.6 m (2 ft)

Application

Application

Max. measurement distance

Max. measurement distance

Continuous / Liquids**Communication**

4 ... 20 mA HART
PROFIBUS PA
FOUNDATION Fieldbus

Certificates / Approvals

ATEX, FM, CSA, NEPSI

Application limits

Application limits

Continuous / Solids**Measuring principle**

Ultrasonic

Characteristic / Application

Compact ultrasonic transmitter

Supply / Communication

4-wire (HART), PROFIBUS PA, FOUNDATION
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Max. measurement distance7 m (23 ft)

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4 ... 20 mA HART

PROFIBUS PA

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Application limitsTake notice of range diagram

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