

# Ultrasonic measurement Time-of-Flight Prosonic FMU95

Transmitter in housing for field or top hat rail mounting for up to 10 sensors  
FDU90/91/92/93/95



## Benefits:

- Simple, menu-guided operation with 6-line plain text display, 15 languages selectable
- Envelope curves on the display for quick and simple diagnosis
- Easy operation, diagnosis and measuring point documentation with the supplied "FieldCare" operating program
- Time-of-Flight correction via integrated or external temperature sensors
- Linearization (up to 32 points, freely configurable)
- System integration via PROFIBUS DP with up to 20 measured values
- Automatic detection of the sensors FDU9x

## Specs at a glance

- **Accuracy** +/- 2mm + 0.17% of measured distance

**Field of application:** Prosonic FMU95 separated version with field housing or top hat rail housing for control cabinet instrumentation are suited for continuous, non-contact level measurement of fluids, pastes, sludge and powdery to coarse bulk solids.

## Features and specifications

Continuous / Liquids

Measuring principle

Ultrasonic

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

Separated version with Field housing or top hat rail housing for control cabinet instrumentation, 5 or 10 channel version

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**Specialities**

Protection Class IP 66 / NEMA 4x  
automatic sensor recognition of FDU9x sensors

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**Supply / Communication**

90 ... 253 VAC  
10.5 ... 32 VDC  
Profibus DP

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**Accuracy**

+/- 2mm + 0.17% of measured distance

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**Ambient temperature**

-40 °C ... 60 °C  
(-40 °F ... 140 °F)

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**Communication**

Profibus DP

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**Certificates / Approvals**

ATEX, CSA

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**Options**

Illuminated display, 6 line graphic display with country specific menu guidance, on-site diagnosis with envelope curve on display

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**Components**

Sensors FDU9x

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**Continuous / Solids****Measuring principle**

Ultrasonic

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**Components**

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More information [www.casc.endress.com/FMU95](http://www.casc.endress.com/FMU95)