



## Prosonic M FMU40, FMU41, FMU42, FMU43

**Compact transmitters for non-contact level measurements of fluids, pastes and coarse bulk materials**

### Areas of application

- Continuous, non-contact level measurement in fluids, pastes, sullages and coarse bulk materials
- Flow measurement in open channels and measuring weirs
- System integration via HART (4 ... 20 mA), PROFIBUS PA or FOUNDATION Fieldbus

### Benefits at a glance

- Simple, menu-guided on-site operation with four-line text display
- Envelope curves on the on-site display for simple diagnosis
- Easy operation, diagnosis and measuring point documentation with the supplied ToF Tool operating program
- Alignable IP 68 aluminium housing
- Optional remote display and operation
- Installation possible from thread G 1 1/2" or 1 1/2 NPT upwards
- Integrated temperature sensor for time-of-flight correction. Accurate measurements, even for temperature changes
- Linearisation function (up to 32 points) for measured value output in any unit of length, volume or flow rate
- Non-contact measurement method, therefore almost independent of product properties

### The most important technical data

Max. measuring range FMU 40	5 m in fluids 2 m in bulk materials
Max. measuring range FMU 41	8 m in fluids 3.5 m in bulk materials
Max. measuring range FMU 42	10 m in fluids 5 m in bulk materials
Max. measuring range FMU 43	15 m in fluids 7 m in bulk materials
Process temperature	-40 °C ... +80 °C
Ambient temperature	-40 °C ... +80 °C
Process pressure FMU 40/41	3 bar abs.
Process pressure FMU 42/43	2.5 bar abs.
Certificates	ATEX, FM, CSA, TIIS (for details refer to Technical Information TI 365F)