

Ultrasonic Level Sensor

UP56



Features:

- Pressure resistant up to 6 bar
- Converter protected by PVDF cover for increased resistance
- 3-in-1: Continuous measurement, switching signal, and display
- Analog output can be switched 4 mA...20 mA and 0 V...10V
- Process connector thread G 1 and G 2
- IP67 enclosure rating



Description:

The product family UP56 of ultrasonic level sensors is the ideal solution for demanding applications. The teflon-protected transducer handles overpressure up to 6 bar (87 psi) and is resistant against numerous difficult fluids.

Wetted parts can be chosen either as stainless steel or PVDF, thus making the UP56 the perfect solution for measurement in aggressive, viscous, or abrasive liquids, or bulk solids.

By combining two output signals in one device, new cost-effective solutions can be created for measurement and integration into the system.

With two switching outputs, the UP56 can measure dry running and overflow in one device. Combining analog and a switching output enables continuous level measurement with a separate overflow signal. Parameters are easy to set via an integrated display, PC or the connect+ adapter.

Applications:

- Level measurement in material containers
- Toner fill level measurement
- Filling level measurement
- Corrosive chemical level measurement

Technical Data Overview

Measurement principle	Ultrasonic sensor
Detection principle	Non contact
Medium	Fluids, bulk solids
Measurement	Switch, Continuous
Process temperature	-25°C...+70°C
Process Pressure	0 bar... 6 bar, gauge pressure
Output signal	1 x PNP + 4 mA ... 20 mA / 0 V ... 10 V 2 x PNP 2 x NPN
Measuring range	≤ 3.4 m

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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