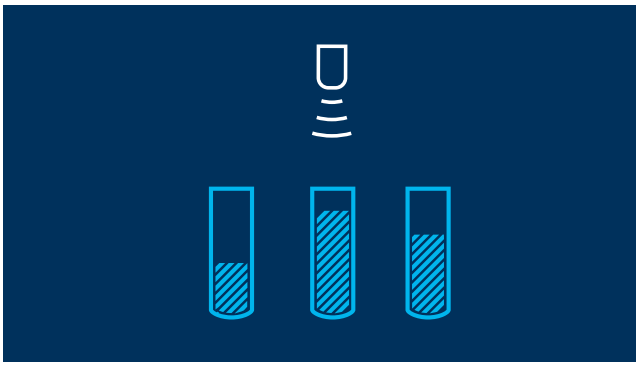
Filling level monitoring in small containers



application areas

Printing and Paper

Food and Pharmaceuticals

Logistics

Packaging

A compact sensor design is required for non-contact level monitoring in small vessels or where installation space is limited. The sensors measure levels ranging from a few millimetres up to 1.3 metres and are therefore suitable for applications with limited space.

Ultrasonic sensors are available with one or two digital outputs for minimum/maximum control, or with an analogue output (0–10 V and/or 4–20 mA) for continuous level monitoring.

The zws ultrasonic sensor with SoundPipe is ideal for level measurement in particularly small vessels (e.g. microtitre plates). This enables measurement in vessels with a diameter of less than 5 mm. Due to the SoundPipe, measurement can take place immediately from the sound outlet, as the blind zone lies within the SoundPipe.

The pico+TF level sensors are designed for level measurement in chemically aggressive liquids such as cleaning agents, paints or inks.

SENSORS FOR THIS APPLICATION AREA



zws-15/CD/QS
operating range: 20 - 250 mm
Housing: cuboidal
Outputs: 1 x pnp



zws-25/CI/QS
operating range: 30 - 350 mm
Housing: cuboidal
Outputs: 1 x analogue 4-20 mA



pico+25/TF/I
operating range: 30 - 350 mm
Housing: cylindrical M22
Outputs: 1 x analogue 4-20 mA



SoundPipe zws1



pico+15/TF/F
operating range: 20 - 250 mm
Housing: cylindrical M22
Outputs: 1 x Push-Pull



lpc+15/CFF
operating range: 20 - 250 mm
Housing: cylindrical M18
Outputs: 2 x Push-Pull