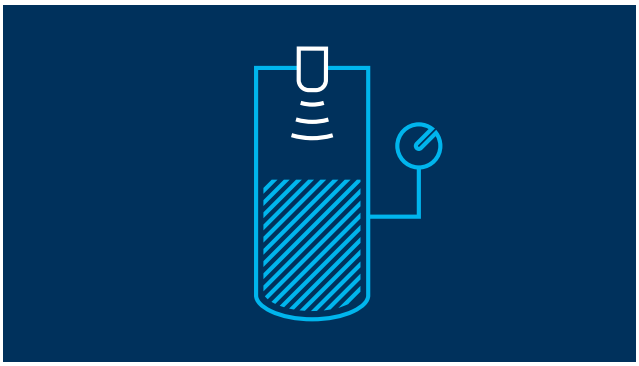
Level control in 6 bar overpressure



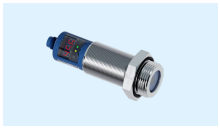
application areas

Food and Pharmaceuticals

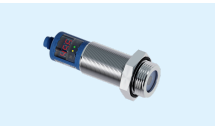
The hps+ ultrasonic sensors enable non-contact level measurement of liquids or bulk materials in tanks, even at overpressures of up to 6 bar. These pressure-resistant sensors measure levels ranging from a few millimetres up to 8 metres (depending on the pressure) and are therefore suitable for industrial processes in the chemical, pharmaceutical and food industries.

hps+ level sensors are available with two switching outputs for minimum/maximum control or with an analogue output (4–20 mA and 0–10 V) for continuous level monitoring. The housing, made of stainless steel or PVDF with a PTFE diaphragm, is designed for chemically aggressive media and offers high corrosion resistance.

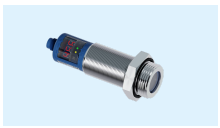
SENSORS FOR THIS APPLICATION AREA



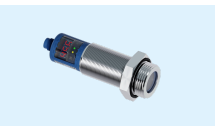
hps+25/DD/TC/E/G1
operating range: 30 - 990 mm
Housing: process connection G1
Outputs: 2 x pnp



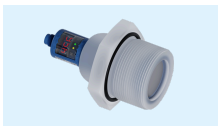
hps+35/DIU/TC/E/G1
operating range: 85 - 1,500 mm
Housing: process connection G1
Outputs: 1 x pnp + 1 x analogue 4-20 mA / 0-10 V



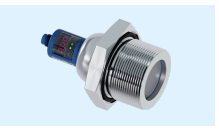
hps+130/DD/TC/E/G1
operating range: 200 - 5,000 mm
Housing: process connection G1
Outputs: 2 x pnp



hps+130/DIU/TC/E/G1
operating range: 200 - 5,000 mm
Housing: process connection G1
Outputs: 1 x pnp + 1 x analogue 4-20 mA / 0-10 V



hps+340/DD/TC/G2
operating range: 350 - 8,000 mm
Housing: process connection G2
Outputs: 2 x pnp



hps+340/DIU/TC/E/G2
operating range: 350 - 8,000 mm
Housing: process connection G2
Outputs: 1 x pnp + 1 x analogue 4-20 mA / 0-10 V