

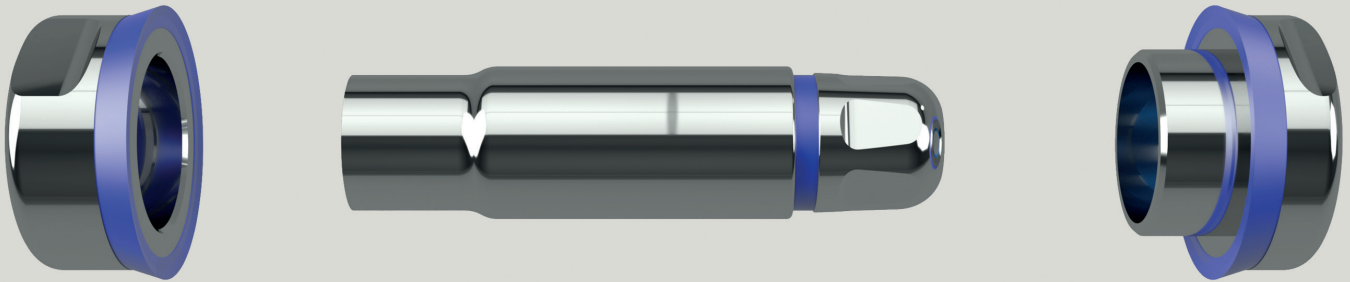
## Ultrasonic Sensors for the Food Industry and Pharmaceutical Industry

EHEDG certified sensors, reliable  
measurement solutions for high hygiene standards

Hygienic Design Clean and Safe

# Hygienic Design

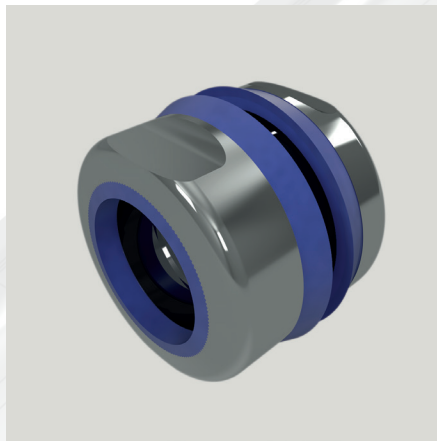
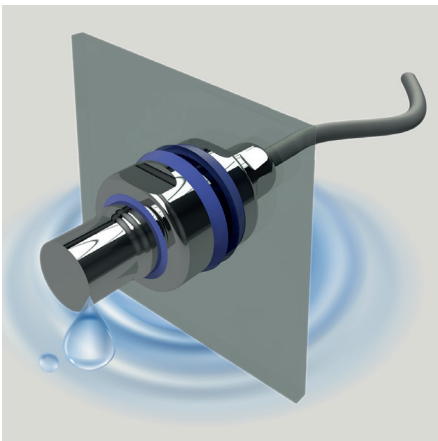
## P53 EHEDG Series



Measuring Ranges up to 1500mm • Analogue Interface • Switching and Measuring Functionality • Teach In Setting

## Gapless construction in stainless steel

Taking into account the high requirements of the food and pharmaceutical industries, Pil Sensoren GmbH produces ultrasonic sensors with a special hygienic design. Thanks to transition-less shapes and high-quality materials (stainless steel 1.4404), bacteria that can have a negative impact on the production process and the end product have no chance.



### High-quality Ultrasonic Sensor

- Compact Design
- Dust-proof
- High resistance to chemicals
- Waterproof (IP69K)
- Steam-jet proof
- EHEDG certified
- UL certification

### Hygienic mounting

- Edge-free wrench surface
- Food safe gaskets
- Easily detachable
- EHEDG certified

### Perfect cable sealing

- High quality surface finish
- No adhesion of residues
- EHEDG certified
- Cleaning according to ECOLAB



## From C - Checking for presence to W - Winding control

The non-contact ultrasonic measuring method allows a wide range of different applications for the detection and measurement of solid, pasty and liquid substances in production areas in contact with the product in the manufacture of hygienically critical products. The compact ultrasonic sensors of the P53 EHEDG series are easy to mount and adjust. Cleaning processes according to CIP can be simplified and production downtimes shortened.



Level measurement in cheese production

### Fields of application

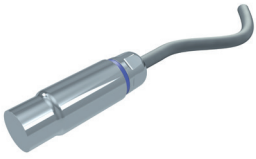

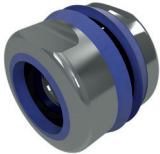
- Checking for presence
- Collision protection of trays and containers
- Counting of individual objects
- Distance measurement of single objects
- Level measurement in mixing machines and tanks
- Portioning control of components
- Slack monitoring of packaging films
- Sorting, detection of flawed products
- Winding control on paper, metal and foil rolls



### EHEDG Conformity

Updated certificates from EHEDG and Ecolab certify that the sensors and mounting brackets meet the highest product safety and reliability standards.

# P53 STEEL HEAD EHEDG Program

P53 Series EHEDG	Type	Range	Output Signal
	P53-80-D18-2P-2m-EHEDG	120 .. 800mm	2 x PNP, Cable Teach In
	P53-80-D18-U-2m-EHEDG		0 .. 10V, Cable Teach In
	P53-80-D18-I-2m-EHEDG		4 .. 20mA, Cable Teach In
	P53-150-D30-PNO-2m-EHEDG	150 .. 1500mm	1 x PNP, NO, Cable Teach In
	P53-150-D30-PNC-2m-EHEDG		1 x PNP, NC, Cable Teach In
	P53-150-D30-U-2m-EHEDG		0 .. 10V, Cable Teach In
	P53-150-D30-I-2m-EHEDG		4 .. 20mA, Cable Teach In
	P53-SC-D18-5-EHEDG P53-SC-D30-10-EHEDG	Mounting screws for housings with 18mm and 30mm diameter	

## Sensor competence of the group of companies

PIL Sensoren GmbH, a pioneer of ultrasonic sensor technology and Inelta Sensorsysteme GmbH & Co. KG offer a comprehensive product portfolio for displacement, position, force, pressure and inclination measurement. The sister company VYPRO, s. r. o. complements the product range in the field of sensor production and assembly services. As a medium-sized group of companies, we combine family values with the highest quality standards for our products.



Displacement Sensors (LVDT)



Force Sensors



Measuring Amplifier

## Contact

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