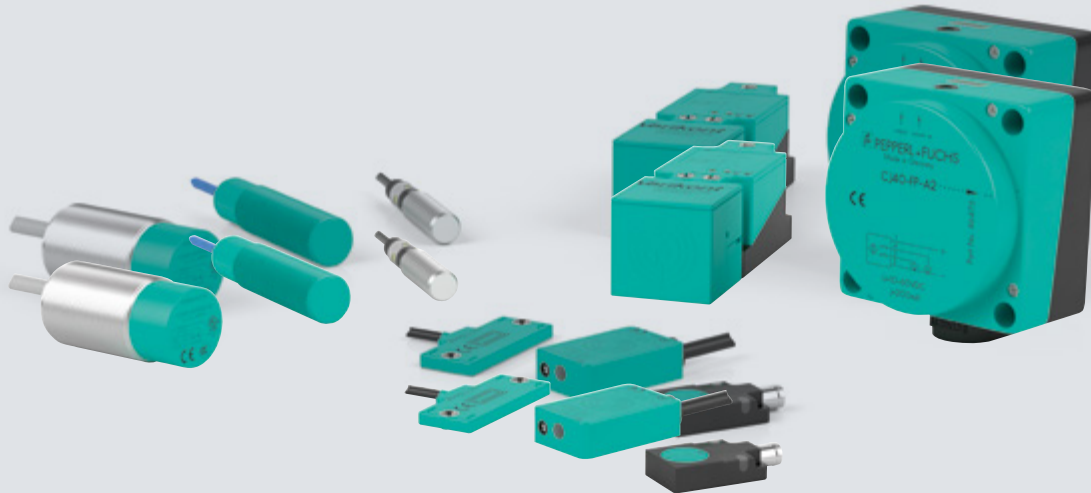


Capacitive Sensors

Reliable Detection of Nonmetallic Objects



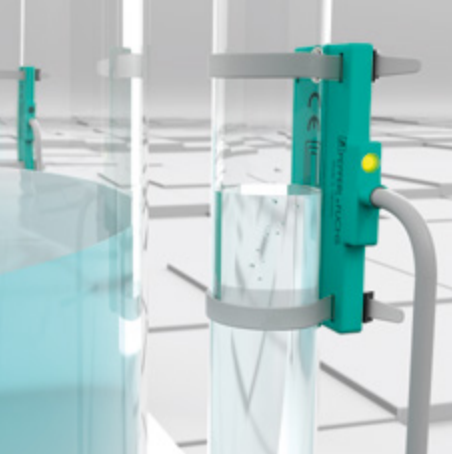
Durable and Rugged

Capacitive proximity sensors are the perfect solution for detecting nonmetallic objects and substances. Whether for liquids, granules, paper, or wood, they reliably monitor the fill level in production processes. A wide variety of designs and sensing ranges ensures flexible use in virtually every kind of application. In the agricultural industry or wood processing industry, they are used to monitor the fill level of liquids and solids. In process engineering in the chemical and pharmaceutical industries, they enable reliable detection of materials in plastic containers. Particularly rugged, durable versions made of stainless steel or chemically resistant housing material are available for use in harsh industrial environments.

Highlights

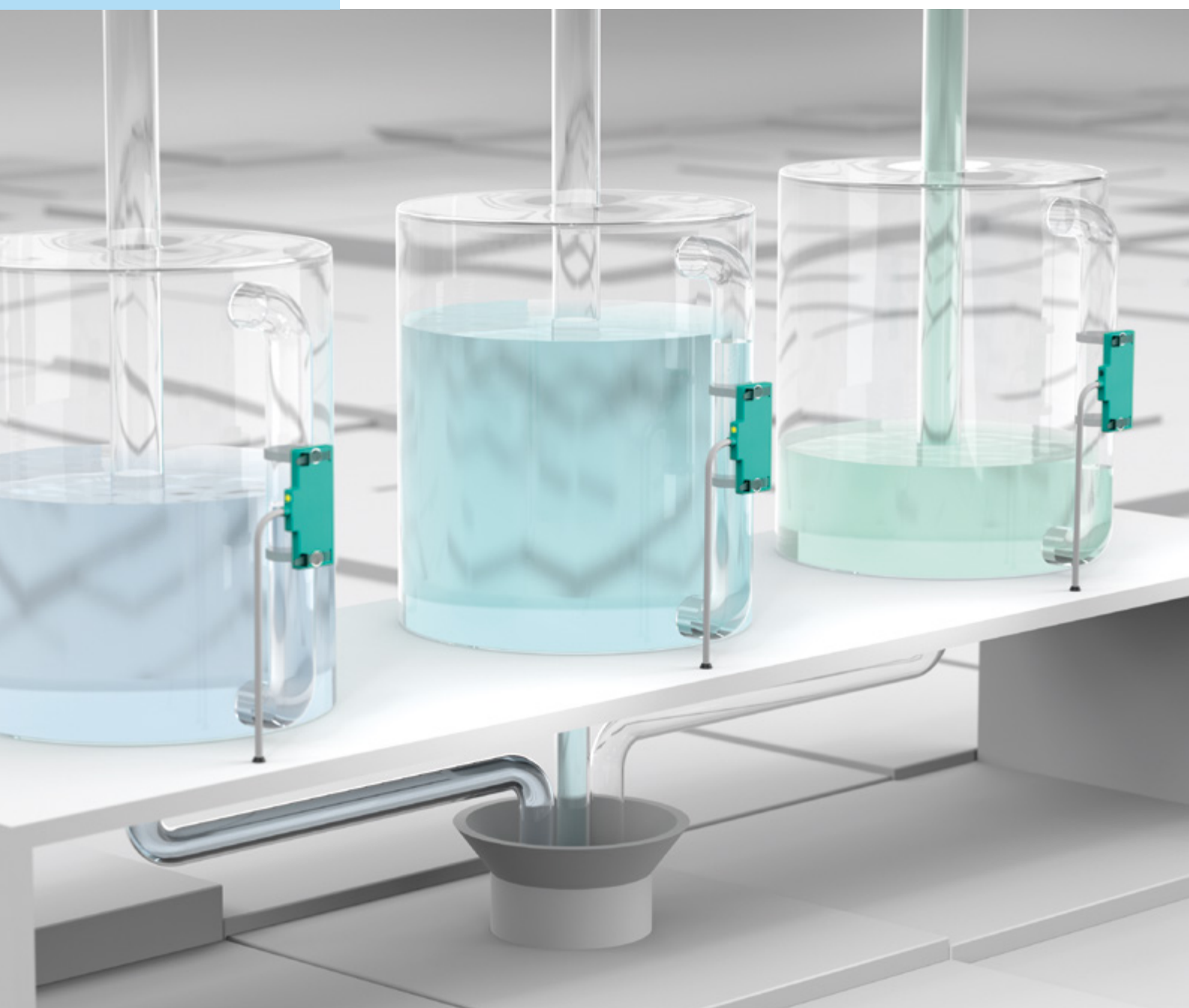
- Highest quality standards in sensor production ensure application reliability
- Perfect solution for detecting nonmetallic objects
- Extreme ruggedness and durability, perfect for use in harsh industrial environments
- Application-related advice at the highest technical level

Selected technical data	12GH70 series	30GS/30GK series	F46 series	F104M series	F64 series	VariKont series	FP series
Search term	C*-12G*	C*-30G*	CB*-F46*	CBN5-F104M*	CBN15-F64*	CJ15+U1+A2	FPCJ40-FP*
Max. sensing range							
Flush	4 mm	10 mm	10 mm	5 mm	15 mm	15 mm	40 mm
Non-flush		15 mm					
Output type	DC 3-wire PNP/NPN, NAMUR	DC 3-/4-wire PNP/NPN	DC 3-wire PNP/NPN	DC 3-wire PNP	DC 3-/4-wire PNP/NPN	DC 4-wire PNP	DC 4-wire PNP/NPN
Housing material	PBT plastic/ stainless steel 1.4404/AISI	PBT plastic/ stainless steel 1.4305/ AISI	PBT plastic	Metal/PA	PBT plastic	PBT plastic/metal	PBT plastic/metal
Dimensions	Ø M12	Ø M30	50 × 20 × 5 mm	32 × 20 × 8 mm	40 × 25 × 12 mm	40 × 40 × 118 mm	80 × 80 × 40 mm



Precise Fill Level Monitoring

To prevent plant shutdowns in liquid and powder mixing plants, it is necessary to continuously check whether there is sufficient media in containers. F46 series sensors are used: as soon as a defined fill level is reached, the capacitive proximity sensors send a message to the control system to initiate refilling. In tanks made of nonconductive material, the capacitive sensors can also determine the fill level from the outside. Extremely slim housing designs and the versatile mounting holes make the sensors easy to mount. Highly visible LEDs indicate whether a substance is detected or not.



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