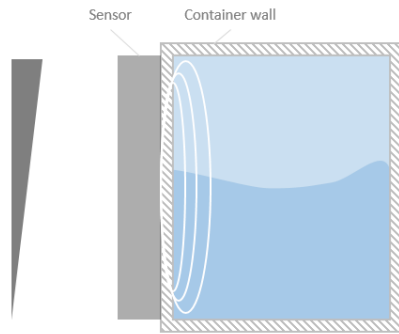
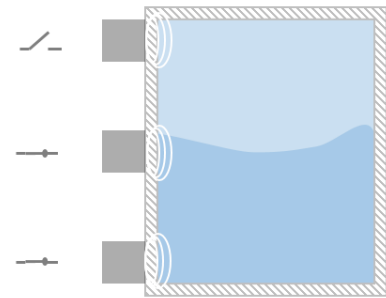


NextGen Capacitive Level Sensor Prototype



Continuous Level Measurement



Limit Level Detection

Continuous Level Measurement

Limit Level Detection

Measurement method	Capacitive measuring method / Non-contact to fluid	
Temperature range	0 °C up to 60 °C	-25 °C up to 80 °C
Output signal	Switching points / 4-20 mA / 0-10 V	Switching points
Input signal	10...40 V	
Connection type	Wires / M12 / Other plugs possible	
Compatible materials of container wall	Plastic / Glass Material influences the sensitivity. Measurement through metal not possible!	
Max. wall thickness	Dependent on the fluid and the material of container. See examples below...	
	5 mm (with water) 1.5 mm (with oils)	6 mm (with water) 2 mm (with oils)
Resolution	+/-1 up to +/-10 % dependent on fluid, material of container wall and container wall thickness	
Compatible media	Dependent on specific constant ϵ_r of media/fluid. Higher = better Fluids, such as water / oils / fuels / alcohols/ ... Bulk materials	
Protection class	Up to IP69K possible	
Housing size	Dependent on application.	
Max. sensing length	Up to 2 m	-

Please note: Fact sheet shows possibilities. Depicted values are approximated values. Values based on preliminary studies. Values are strongly dependent on factors, such as, wall thickness, materials, fluids, specific requirements / application ... Concrete description of application necessary!