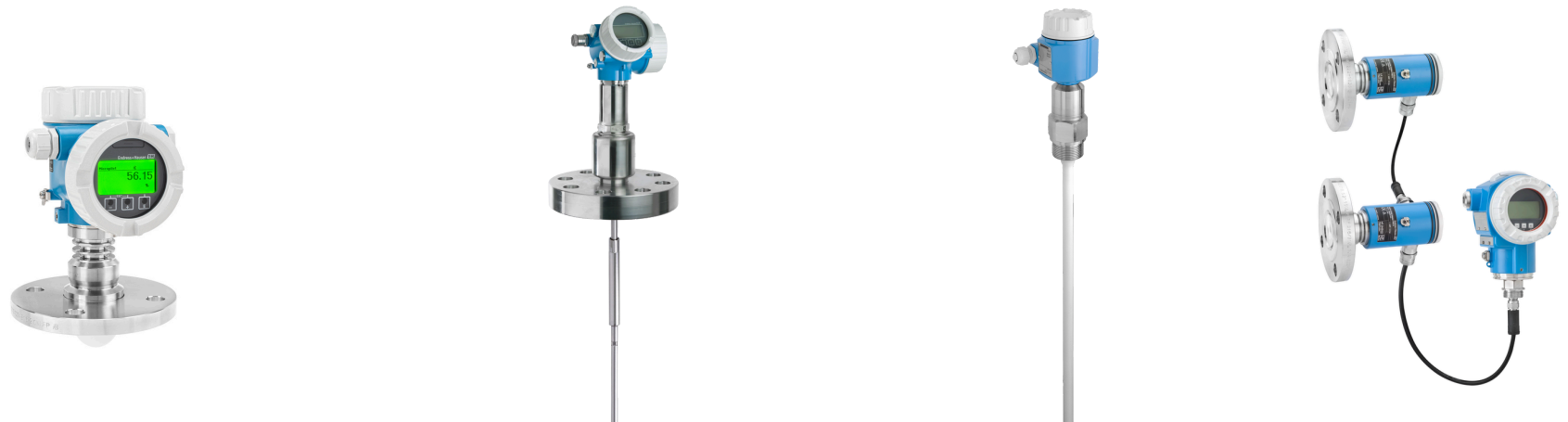


Popular technologies for continuous level measurement

Which technology is the best for your liquid level application? Here's how they measure up!



	Radar	Guided radar	Capacitance	Hydrostatic
Process temperature	-196 to +450°C	-196 to +450°C	-80 to +200°C	-70 to +400°C
Process pressure	-1 to +160 bar	-1 to +400 bar	-1 to +100 bar	Vacuum to +420 bar
Measuring range	0.1 to 125m	0.3 to 45m	0.1 to 10m	0.1 to 100m (1 mbar to 40 bar)
Accuracy	<ul style="list-style-type: none"> ■ 26 GHz: +/- 2mm ■ 80 GHz: +/- 1mm ■ 180 GHz +/- 1mm 	<ul style="list-style-type: none"> ■ < 15m: +/- 2mm ■ > 15m: +/- 10mm 	<ul style="list-style-type: none"> ■ +/- 1% of measuring range 	<ul style="list-style-type: none"> ■ +/- 0.05% of set span
Function affected by	<ul style="list-style-type: none"> ■ Foam ■ Extreme turbulence ■ Conductive build-up on antenna connection ■ Heavy build-up 	<ul style="list-style-type: none"> ■ Extreme build-up 	<ul style="list-style-type: none"> ■ Plastic tanks ■ Extreme build-up 	<ul style="list-style-type: none"> ■ Dynamic pressure fluctuations by agitator or vortices
Accuracy affected by	<ul style="list-style-type: none"> ■ Wall effects ■ Interfering reflections ■ Extreme pressure changes 	<ul style="list-style-type: none"> ■ Interfering reflection from obstacles (not coaxial) ■ Extreme pressure changes (not gas phase compensation) 	<ul style="list-style-type: none"> ■ Conductivity < 30µS/cm (changing dielectric constants) ■ Conductive build-up 	<ul style="list-style-type: none"> ■ Temperature change ■ Changing densities ■ Dynamic pressure
Application limits	<ul style="list-style-type: none"> ■ Measurement up to abs 0% ■ DC < 1.4 	<ul style="list-style-type: none"> ■ Measurement up to abs 0% ■ DC < 1.4 ■ Strong mechanical stress in agitator situations 	<ul style="list-style-type: none"> ■ Agitator blade ■ Changing non-conductive media or conductivity between 1 to 100µS/cm ■ DC < 2.0 	<ul style="list-style-type: none"> ■ Hard build-up ■ Vacuum with simultaneous temperatures > +200°C ■ Density fluctuations

Want to find out more? Download the brochure and browse the full portfolio.

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