

APPLICATION TABLE

PROCESS MEDIUM FEATURES AND OTHER FACTORS	CONTINUOUS LEVEL MEASUREMENT								LEGEND
	GRLM-70	ARLM-70	ULM-53	ULM-70 ULM-54 with horn adapter	CLM-36 DLM-35	CLM-70	HLM-35	HLM-25 HLM-16	●● suitable ● conditionally applicable - not suitable 1) dielectric constant (relative permittivity) 2) η - dynamic viscosity < 1000 [10-3 Pa.s] 3) η - dynamic viscosity > 1000 [10-3 Pa.s] 4) variant CLM-70-61 5) certification is missing for now, otherwise yes 6) only to max. levels or protect with a shield 7) only rope electrode 8) concentration to 5 %
SOLID									
dust - fraction up to 0.1 mm	●●	-	-	-	●●	●●	-	-	
loose material - fraction up to 10 mm	●●	-	-	●	●	●	-	-	
piece material - fraction over 10 mm (up to 60 mm)	-	-	●	●●	-	-	-	-	
changing (DK ¹⁾ , density)	●●	-	●	●●	-	-	-	-	
settled dust (up to 5 mm layer)	●●	-	-	●	●●	●●	-	-	
extreme dustiness - dust permanently in the air (layer above 5 mm)	-	-	-	-	●	●	-	-	
extremely lightweight material	-	-	-	●	●	●	-	-	
highly abrasive material (sharp stones)	-	-	●	●●	-	-	-	-	
flammable dust, explosives	●●	-	-	-	●●	●●	-	-	
mechanical obstacles in the stack	●	-	-	●●	●	●	-	-	
LIQUIDS AND SLURRIES									
liquid ²⁾	●●	●●	●●	●●	●●	●●	●●	●●	
paste-like substance ³⁾	●●	●●	●●	●●	●	●	-	-	
hygienic applications	●●	●	●	●	●●	●●	●	-	
hygienic applications with sanitation	●●	●	-	-	●●	●●	-	-	
changing DK ¹⁾	●●	●●	●●	●●	-	-	●	●	
changing density	●●	●●	●●	●●	●	●	-	-	
sticking + el. conductive (strong alkalis)	●●	●●	●	●●	-	-	●	-	
aggressive inorganic acids	●	●●	●	●	●	●● ⁴⁾	-	-	
non-fuming diluted chemicals	●●	●●	●●	●●	●	●● ⁴⁾	-	-	
organic solvents	●●	●●	-	-	●●	●●	●	-	
very small tanks	-	-	-	-	●●	●	●	●	
very volatile	●●	●●	-	-	●●	●●	●	-	
foam continuous, dense	●●	●	●	●●	●●	●●	●●	●●	
foam incoherent, moulded	●	-	-	-	●	●	●●	●●	
combustibles	●●	● ⁵⁾	●	●	●●	● ⁵⁾	● ⁵⁾	-	
liquid gases	●●	●	-	-	●	●	-	-	
sludge	●	●	●●	●●	●	●	-	-	
barriers in the tank	●●	●	-	●●	●●	●●	●●	●●	
higher pressure (above 2 bar)	●●	●●	-	-	●●	●●	●	●	
vacuum	●●	●●	-	-	●●	●●	-	-	
LIMIT LEVEL SENSING									
PROCESS MEDIUM FEATURES AND OTHER FACTORS	DLS-35 DLS-27 from side	DLS-35 DLS-27 from above	RFLS-53 from side	ULS-53 from above	GPLS-25 FLD-32 through wall	RFLS-35 RFLS-28-F- from side	RFLS-28-R- from above		
SOLID									
dust - fraction up to 0.1 mm	●●	●●	●	-	-	-	-	-	
loose material - fraction up to 10 mm	●● ⁶⁾	●●	●●	●	●	-	-	-	
piece material - fraction over 10 mm (up to 60 mm)	-	● ⁷⁾	●	●●	-	-	-	-	
changing (DK ¹⁾ , density)	●	●	●	●●	-	-	-	-	
settled dust (up to 5 mm layer)	●●	●●	●●	-	-	-	-	-	
extreme dustiness - dust permanently in the air (layer above 5 mm)	●	●	●	-	-	-	-	-	
extremely lightweight material	●	●	-	-	-	-	-	-	
highly abrasive material (sharp stones)	-	●	-	●●	-	-	-	-	
flammable dust, explosives	●●	●●	-	-	-	-	-	-	
LIQUIDS AND SLURRIES									
liquid ²⁾	●	●●	-	●●	●●	●●	●●	●●	
paste-like substance ³⁾	-	●●	-	●●	●	●●	●●	●●	
hygienic applications	●	●●	-	●	●●	●●	●	●●	
hygienic applications with sanitation	●	●	-	-	●●	●	●	●	
changing DK ¹⁾	●	●	-	●●	-	●	●	●	
changing density	●	●	-	●●	●●	●●	●●	●●	
sticking + el. conductive (strong alkalis)	-	●	-	●	●●	●●	●●	●●	
aggressive inorganic acids	-	●	-	●	●●	●	●	●	
non-fuming diluted chemicals	●	●●	-	●●	●●	●●	●●	●●	
organic solvents	●●	●●	-	-	●●	●●	●●	●●	
very small tanks	●●	●●	-	-	●●	●●	●●	●●	
very volatile	●●	●●	-	-	●●	●●	●	-	
foam on the surface	●	●	-	●	●●	●●	●●	●●	
combustibles	●●	●●	-	●	●	●●	●	-	
liquid gases	●	●	-	-	-	●	●	●	

LEGEND



Interesting fact / unique product



Additional information to the product



The conformity mark



The explosion-proof equipment mark



HART Communication protocol, HART communication protocol interface



Modbus, an open protocol for the mutual communication between various devices



CAN, the bus employed for the internal communication network and units in cars



SIL, Safety Integrity Level standard



Continuous level meters



Limit level sensors



Pressure sensors



Flow meters



Evaluation and power supply units



Display units



Other products and accessories

