

Technical data

ACC0/ACC1/ACC6



Article	ACC0 Rope probe 10 - 30V _{DC}	ACC1 Rod probe 10 - 30V _{DC}	ACC6 Plate probe 10 - 30V _{DC}
Article number	3010050 (ATEX) 3010051 (zonefree)	3010054 (ATEX) 3010055 (zonefree)	3010064 ATEX 3010065 (zonefree)
application purpose	Level measurement, configurable as high or low level sensor		
Functional data			
Principle of operation	capacitive		
Rope / rod length	0.5 – 16m	0.3 – 4m	
Sensitivity	> permittivity value 2		
Overflow height for triggering	0.1m if rope is ≤1m 0.5m if rope is ≤6m 0.8m if rope is >6m	0.1m if rod is ≤1m 0.5m if rod is >1m	
Process connection	1½" gas thread		165 – 175mm recess, according to dimension
Process pressure	0.8 – 1.1 bar		
Detection	Adjustable full border, adjustable empty border, autodetection without adjustment (can be disabled)		
Features	<ul style="list-style-type: none"> - temperature compensation - configurable switching delay on output - configurable sensitivity with auto-adjustment - output level can be inverted - shortcut detection - error monitoring via output toggling - PC software for service technicians - log functionality over UART 		

Electrical data		
Supply voltage	10 - 30V _{DC}	
Sensor output	Adjustable, Push-Pull, PNP, NPN	
Switching current output	max. 60mA	
Max. power consumption	2VA	
Connection data for intrinsically safe systems	U _i = xx V C _i = xx uF L _i = xx nH P _i = xx VA	
Temperature range		
Ambient	-20°C to +60°C	-20°C to +60°C
Process	-20°C to +180°C	-20°C to +60°C
Storage	-20°C to +40°C	-20°C to +40°C
Safety relevant data		
Protection class	Protection class I	
IP protection class	IP 67	
ATEX certification	Ex II 1D Ex ta IIIC T85°C Da Ex II 1/2D Ex ta/tb IIIC T85°C Da/Db	
Dimensioning		

