

## Technical data

### ACC2/ACC3/ACC4



Article	ACC2 Rope probe 24V <sub>DC</sub> /230V <sub>AC</sub>	ACC3 Rod probe 24V <sub>DC</sub> /230V <sub>AC</sub>	ACC4 Plate probe 24V <sub>DC</sub> /230V <sub>AC</sub>
Article number	3010058 (ATEX) 3010059 (zonefree)	3010060 (ATEX) 3010061 (zonefree)	3010062 ATEX 3010063 (zonefree)
application purpose	Level measurement, configurable as high or low level sensor		
<b>Functional data</b>			
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"> <li>- temperature compensation</li> <li>- configurable switching delay on output</li> <li>- configurable sensitivity with auto-adjustment</li> <li>- output level can be inverted</li> <li>- shortcut detection</li> <li>- error monitoring via output toggling</li> <li>- PC software for service technicians</li> <li>- log functionality over UART</li> </ul>		

Electrical data		
Supply voltage	24V <sub>DC</sub> / 230V <sub>AC</sub>	
Sensor output	Relais, potential free contact NC + NO	
Switching current output	2A	
Max. power consumption	2VA	
Connection data for intrinsically safe systems	U <sub>i</sub> = xx V C <sub>i</sub> = xx uF L <sub>i</sub> = xx nH P <sub>i</sub> = xx VA	
Temperature range		
Ambient	-20°C to +60°C	-20°C to +60°C
Process	-20°C to +120°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		

