

Overview

- Level limit detection in liquid, slurry, foam, interface and solids
- Non-intrusive and reliable
- Non-contact
- Wide range of applications
- No maintenance
- 24V, 24Vdc, single detector
- Standard for control in open areas
- High precision, average temperature
- High electrical resistance in process
- RFID technology, with active state
- Reliability: extremely consistent at 2
- Simple modification of probe possible in site

- Standard electronic with:
 - 24Vdc power supply
 - 4-20mA active output and Relay output

- High electronic with:
 - Communication by Profibus DP
 - Analogical and Relay Outputs
 - Self diagnosis

- Multiple applications available:
 - 4-20mA/24Vdc Relay output

Applications	Oil, Water	Zone 0	Intrinsically Safe
	Acid, Alkali	Zone 0/1	Non-intrusive
	Slurry, Slime	Zone 0/1/2	Non-intrusive, Proof or Intrinsically Safe
	Hot Oil	Normal duty	
		0 - 100 °C	Intrinsically Safe
		0 - 100 °C	Non-intrusive
		0 - 400 °C	Non-intrusive, Proof
	Weld	Ordinary location	
		Zone 0	Intrinsically Safe
		Zone 0/1	Non-intrusive
	Zone 0/1/2	Non-intrusive, Proof	
Grain	Cognitive DM1, DM2, DM3 and DM4		
Weld	Self-protection		

	Electronic module Standard	Electronic module Digital
Supply voltage	12 - 24V AC/DC 50 - 60 Hz	12 - 24V DC 10 to 30 amperes
Signal output	Relay (SPST)	Profibus DP
Signal output delay	Max time or fall time 1 - 10 ms	Max time - 100 ms Fall time 0 - 100 ms
Voltage	High or Low	High or Low
Non-intrusive	Non-intrusive switches, 0-10V indicator	0-10Vdc non-intrusive or Profibus DP
Diagnosis	-	Over and Under Range Electronic temperature Excursion check Non-intrusive alarm Internal electronic self-check

Flexibility	Material	Non-metal, powder coated
	Explosion protection	Type 0, IECEx or ATEX **
	Temperature extended shaft	Option for RF 4000, standard for RF 4000 Material: Inconel 625/In625
	Ambient temperature	40 - 100°C (40 - 100°F) 100 to 150°C (212 to 302°F) with Inconel 625/In625 shaft 40 - 100°C (40 - 100°F) with Non-intrusive or Self-protection Proof 40 - 100°C (40 - 100°F) with Intrinsically safe

**For ambient with plug the type of protection can be lower than zone 0.