

Pear-shaped level detector

Simple, effective, economical, robust...

Product name and functions

PRINCIPLE :

- Especially adapted for detecting the high level of granular products and placed on the filling aperture side, it is displaced when the slope forms. Being very light it "floats" on the slope and the switch makes contact as soon as its inclination exceeds 25°.
- Very robust, being made of ABS filled with polyurethane foam makes it insensitive to shock.
- **Option : ATEX zone 20**



FEATURES :

| | |
|------------------------------|------------------------|
| Float | in ABS |
| Maximum temperature | 60°C |
| Maximum permissible pressure | 4 Kg / cm ² |
| Switch rating | 1 Amp. - 220 V |
| Connecting cable | Flexible PVC cable |
| Weight | 160 g |

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Manufactured in France



Rotating level
ANR



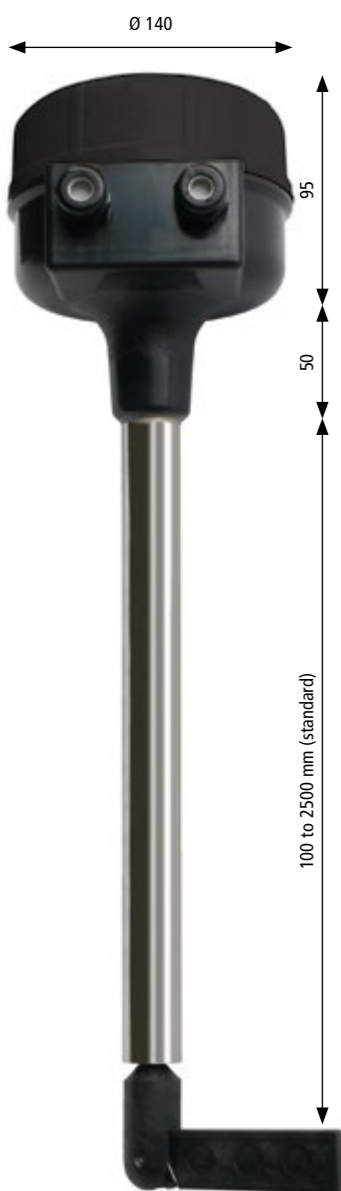
ANR rotating level detectors

Particularly suitable for silos, hoppers and high-volume storage of bulk materials, the range of ANR rotating level detectors provides a response to every situation.

Product name and functions

PRINCIPLE :

• A low-consumption electric motor, housed in an ABS case, slowly rotates a sensing device situated inside the silo or tank. As soon as the level of the material reaches the sensing device, the motor pivots on its axis and closes two switches. The first switch informs you that the level has been reached and the second cuts off the power supply to the motor. When the level of the material drops again, the sensing device will become free, the motor will resume its original position and turn once more. The first switch now informs you that the level has fallen.



COMPLETE RANGE :

- Lengths in mm : 100, 300, 600, 1000, 1500, 2000 and 2500 (standard).
Option : other lengths on request 4000 mm maxi.
- 230 V supply voltage (standard).
Option : 24 Vac, 48 Vac, 110 Vac, 50/60Hz or 24 Vdc.
- Standard : stainless steel version (except paddle and case) C304 axis
- *Option : ATEX zone 20/21 Ex II 1/2D Ex ta/tb IIIC T85°C Da/Db IP65*
- *Option : rotating control*
Device which controls the good rotation of the paddle and prevents engine or reduction assembly defect. Information available at the terminal (Dry contact type).
- *Option : high temperatures*
Set of parts in contact with the material to be detected can withstand a maximum temperature of 150° C (seal, bearing...).

In order to facilitate servicing, a coloured disc on the back of the case enables you to see the supply voltage at a glance.

In order to withstand harsh surroundings such as saline or acid conditions, or high temperatures, the parts in contact with these surroundings can be supplied in stainless steel and the sealing strengthened.

ADAPTED SENSORS :

- Three models of sensing device make it possible to measure a very wide range of materials, from the densest to the lightest.
- The standard model fitted with a collapsible paddle allows you to withdraw the instrument without having to gain access to the inside of the silo.



Polyamide collapsible paddle (standard)



(optional) Stainless steel collapsible paddle (especially adapted to detect abrasive products)



(optional) fixed polyamide paddle (large area)

EASY ASSEMBLING :

- The sleeve; stainless steel tube; which contains the sensing device drive shaft is held fast by tightening on to a collar which is adapted to the nature of the container wall. In all types of fitting the penetration of the sensing device inside the silo is adjustable.
- These glands may be welded, screwed or bolted.



Brass gland to be screwed



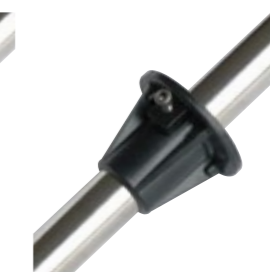
Steel frame gland to be welded



Stainless steel frame gland to be welded



1" 1/2 Brass gland to be screwed



Plastic collar



SIMPLE CONNECTIONS :

- You only have to connect the motor power supply and the level switch.



SETTING UP :

- The 100 mm ANR level detectors may be installed in any position, from vertical to horizontal.
- They are protected from shocks on the sensing devices by a friction system.

N.B. The specifications of the setting must be respected (technical files.).

FEATURES :

| | |
|----------------------|---|
| Standard lengths | 100 - 300 - 600 - 1000 - 1500 - 2000 - 2500 mm |
| Power supply voltage | 230 V - 50/60 Hz ou 24 V~, 48V~, 110V~ on request 24 Vdc |
| Consumption | 3 - 4 VA |
| Speed of rotor | 3,75 rpm |
| Detection switch | 6 Amp. changeover |
| Coupling | two cable sealing glands Type PG 11 |
| Case protection | IP 65 |
| Case | ABS |
| Sleeve | Reinforced stainless tube; OD 28 mm |
| Using temperature | Max 100°C |
| Motor | Switched off in detection position |
| Conforms to | ATEX zone 20/21 Ex II 1/2D Ex ta/tb IIIC T85°C Da/Db IP65 |

