

ATEX certified float level detector NIVOSTOP® PR2 / Ex



- For liquids in hazardous area, Ex
- Built-in counterweight
- Heavy duty controller
- High quality neoprene cable
- Cable lengths: 10 or 20 m

APPLICATIONS

- Pump automation and remote alarming signal in lifting stations, or wastewater pumping stations, in hazardous area (Ex)

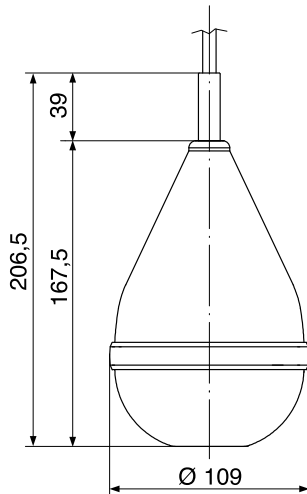
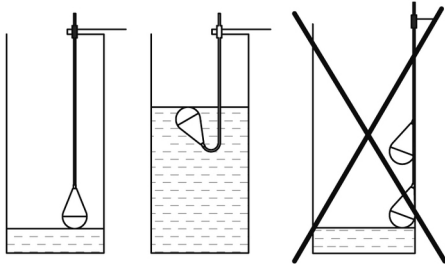
DESCRIPTION

When level is rising the float tilts and actuates a contact connected via the cable to the control room. Its integrated counterweight prevents it from rising to the surface and wrapping around nearby objects. The NIVOSTOP® PR2-Ex remains immersed and switches in a small space.

The NIVOSTOP® PR2-Ex has a large diameter cable and a reinforced sealing with 3 envelopes, which give it durability and reliability under severe environmental conditions.

With the carbon black incorporated to the material, the electrostatic charges that could be created are evacuated to the outside through the ground wire of the cable.

Important: The use of an intrinsic safety relay type RDN 11 is mandatory for installation in hazardous area, Ex. See data-sheet 251-01



TECHNICAL FEATURES

Pressure limit	2 bar
Protection	IP 68
Class	I
Temperature limits	-20 °C ... +80 °C
Density limits	0.95 ... 1.05 kg/dm ³
Tilting angle	20°
Switch type	Micro-switch, changeover
Power supply	4 ... 40 V AC / 100 mA
Cable	H05RN-F 4 G0,75 - Ø 8.8 mm (2 functions) Available lengths: 10 m and 20 m
Cable sealing	EPDM
Body	Anti-static PP Insulated body: 3 sealed envelopes
Depth limit	20 m
Ex Mark	certificate 0425 ATEX 003942-00 Ex II 1 G Ex ia II C T6

EC Conformity: The instrument meets the legal requirements of the current European Directives

CODE NUMBERS AND REFERENCES

Code	Reference	Cable length	Mass [kg]
521 510	NIVOSTOP PR2-Ex - 10	10 m	1.9
521 520	NIVOSTOP PR2-Ex - 20	20 m	2.5
Accessories: Intrinsic safety relays			
251 011C	RDN11 / 230 V AC	Power supply: 230 V AC	
251 012	RDN11 / 24 ... 48 V DC	Power supply: 24 ... 48 V DC	

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL
Tel +33 (0)1 30 25 83 20 Web www.bamo.eu
Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

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NIVOSTOP® PR2 / Ex

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