

MAXIMUM MINIMUM LEVEL SENSOR

CYLINDER



FILE 5.29

VERSION 1

COD ASNIVELM122-220 ASSOPMEM

ASDETROT ASDETROTTECH ASDETROTPAR

ASDETCAPTECH ASDETCAPPAR ASDETPEN ASDETFIN

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TECHNICAL SPECIFICATIONS

4 types of sensors indicating max-min grain level inside the silo.

A MEMBRANE LEVEL SENSOR:

- Used as min-level detector. It is not recommended as max-level detector.

OPERATION The pressure applied by the grain on a membrane, activates a switch and sends a signal.

- It is installed either on the silo wall or on the hopper.
- The connection to the silo is done with a positioning plate.

B PENDULAR LEVEL SENSORS:

- Used as max-level detector.

OPERATION Due to the slope generated by the grain, the cone is displaced, activating a switch located at the end of the bar.

- Installed on the roof with a flange support.
- Very strong, simple and do not need power.

The connection to the silo is done with a flange support.

C ROTATIVE LEVEL SENSORS

- Used as max-level and min-level detector (SOLIDO 500)

OPERATION The blade is turning until the grain blocks the movement, and afterwards, sends a signal.

- As max-level detector, it is installed on the roof, with an extension in order to reach the grain, with a threaded level indicator 1 ½".
- Much more sensitive than de membrane ones, but requires power and maintenance.
- Connection to the silo is done by a thread 1 ½".

D CAPACITIVE LEVEL SENSORS

- Used as max-level and min-level detector.

OPERATION Generate a signal while changing the conductivity of the surrounding environment of the device.

- Supplier : Endress Hauser
- Very expensive and power is needed.
- Connection to the silo is done by a thread 1 ½" for the max-level detector and 1" for the min-level detector.

PN 60, PN 100 o PN 200

