

// MAXIMUM AND MINIMUM LEVEL SENSORS ACCESSORIES

TECHNICAL CHARACTERISTICS

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

A SY-SM1 MEMBRANE LEVEL SENSOR:

- Used as min-level detector, in powdery and granular products with easy flow and with a specific weight between 300 y 2500 kg/m³. 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.

- They are very robust and do not require power.
- Easy assembly, it adapts perfectly to the wavy shape of the body sheet and hopper.
- It incorporates a regulation column, which allows the adjustment of the sensitivity.

B SY-DP1 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.
- Robust and simple and do not need power and maintenance.
- The connection to the silo is done with a flange support.

C SY-DR1 ROTATIVE LEVEL SENSORS

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

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

- Detects maximum level if they are installed on the roof, the intermediate level if they are installed in the body and the minimum level if they are installed at the silo hopper.
- Sensitive: feeding and maintenance are basic.
- Operation: 2 modes depending on the density of stored material.
- Installation: on a silo roof with a flange support and 1m extension kit. It adaptes to body and hopper.

Symaga's sensors are ATEX ZONE 20 certified, which is the zone with the highest explosion risk. Of course, sensors are designed under norm EN 60079-0, EN 60079-31, and with Directive 2014/34 / EU, which guarantees a safe use in explosive atmospheres that occur inside of the silo due to combustibile dust occurrences.

Factory Management Plan has implemented in its quality system the reference standard for the manufacture of ATEX equipment, UNE EN ISO / IEC 80079-34, that guarantees safety in the manufacturing of all references.

