

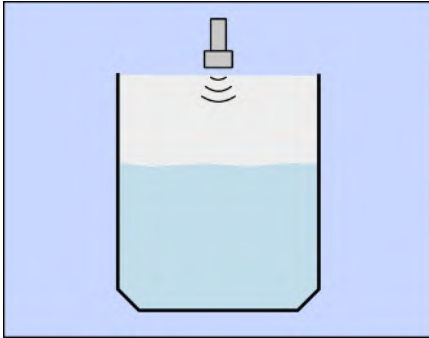


ULTRASONIC SENSORS



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LEVEL CONTROL IN LIQUIDS AND SOLIDS



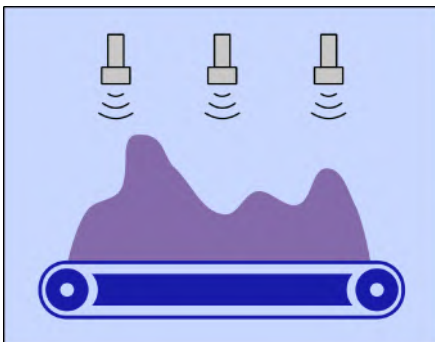
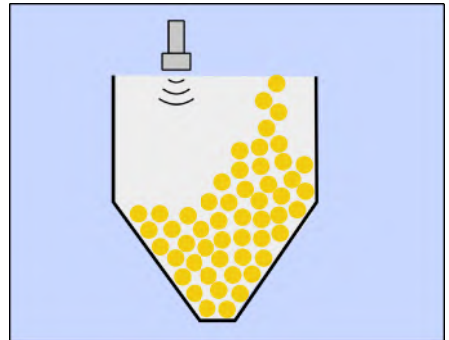
Liquid level measurement

The continuous reading of the level allows to carry out an exact control in liquid filling and emptying maneuvers in tanks up to 6 meters deep.

Through the 4-20 mA output signal, liquid volume can be remotely monitored

Level control in solids

Ultrasonic sensors are suitable to visualize and control the level from 200 mm high of non-pulverulent solid products in hoppers. Some common applications are filling or emptying maneuvers.



Supply control

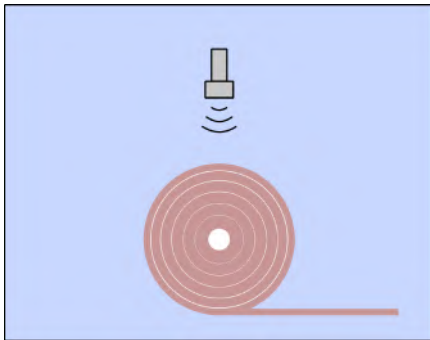
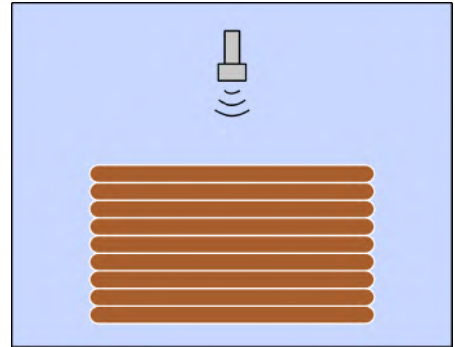
In conveyor feeding systems, ultrasonic sensors continuously measure the height of the product on the belt. For a height that is too low, the supply quantity of the product is increased and if not, it remains uniform throughout the process.

Height detection

On manually or automatically stackable objects, the ultrasonic sensor detects the maximum and minimum height margins.

It is useful in glass, wood, paper or colored plastic.

Its precision ≤ 3 mm allows the control of very thin plates.



Diameter control

The diameter of the coils can be controlled with an ultrasonic sensor by permanently measuring their diameter during the production process.

Using the 4-20 mA analog signal, the intervention is made on the advance motor or on the system brake.

TECHNICAL DATA

The ultrasound sensor emits impulses towards the product to be controlled, which reflects them towards the sensor. The measurement of the time that elapses from the emission of the signals to their reception translates into the read height. They are not in contact with the product to be measured. Choosing the right model and correct installation make for a very reliable measurement system.



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SNU 18P
M18
200 .. 2200 mm
10 .. 30 Vdc
4-20 mA NO/NC

Reference
Threaded body
Detection range
Supply voltage
Analog output

SNU 30P
M30
350 .. 6000 mm
10 .. 30 Vdc
4-20 mA NO/NC

PRODUCTS RANGE

Controles de nivel para líquidos conductivos



Controles de nivel para sólidos



Interruptores magnéticos Interruptores de flotador



Transductores magnéticos Sensores de presión



Relés de control Temporizadores



IoT Industrial



Technical documentation



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