

Measuring the level of PVC powder in conditions of strong dust, sticking, electrostatic material

The Challenge

A producer of plastic in the Ukraine has problems with the correct measurement of PVC powder in storage silos. The installed laser sensors from another manufacturer did not work properly. They have often shown false information. The reason is probably the very low DR value of the PVC powder. Thus, the customer was looking for a maintenance-free laser sensor that works reliably regardless of the DR value, high dust levels and sticking.

Our Solution

The solution for this application is a electromechanical level sensor in a tape version. With this measuring principle, a sensing weight moves on a tape guided into the silo up to the material surface and then returns to the sensor enclosure. The driven tape length is calculated by the sensor to an analogical signal. Modbus and Profibus interfaces are also available at the sensor. The magnetorheological closure stops adhering PVC powder during the measurement and protects the sensor against contamination.

The NE3200 works independently of the DR value and dusty atmosphere and is the optimal solution for this measurement task.



Products



NE 3200 Laserless solution

С заданной точностью измеряет уровень границы раздела сред

- решение для любых трудноизмеряемых либо неперемещаемых материалов
 - Промышленные точные результаты вне времени
 - Дистанция измерения до 10м
 - Компактный и легкий прибор, удобный для монтажа на ограниченном пространстве
- Номер: NE320002