

## Bulk Monitor SYNVA-PD<sub>plus</sub>

Detection for a powder or granulate limit - vs. AIR

It works with the process-oriented sensor body and the Control Unit 02852 - always reliable!



The Bulk Monitor SYNVA-PD<sub>plus</sub>

Tasks - Safely detect and monitor **powder** or **granulate** limit values compared to AIR.

The combined RF impedance sensor system of the SYNVA-PD<sub>plus</sub> works with the Control Unit 02852 and a process-oriented sensor body and can be used as an air limit value control for any **powder** or **granulate**!

Proven measurement technology for demanding limit value controls, especially for adhesive media!

The Control Unit 02852 continuously monitors the capacitance field changes from a normally filled state to an empty state (or vice versa). Triggered by a lack of product, the air entry into the process increases accordingly. This immediately changes the sum of the dielectric on the active sensor body. The limit value control triggers an alarm immediately.



### Certificates

Optional - IECEx / ATEX:

**Class 1, Zone 0,1,2; Ex ia IIC T4 Ga**

- including an **Intrinsic Safety Barrier**  
UL/CSA/IEC 61010-1 CAN/CSA 22.2

### Features CU 02852-CAP

Detection for a powder or granulate limit vs. AIR

Measuring principle: **RF-Impedance** (capacitive)

**Resolution: 0,04pF bis 3.000pF**

2-Relays, with two NO- / NC-Contacts

# both with storable signal output

- 4mA (Normal State 1/2)
- 20mA (ALARM State 1/2)
  
- adjustable sensitivity (pF)
- adjustable time delay (0-600sec.)

### Features CU 02852-CAP

# as before, but with (0)4 - 20mA signal output

### Sensor body; UHMWPE plastic

Operating temperatures min. -20 °C, max. 55 °C

Operating pressure 0.0bar

- OPTIONS: Teflon and PVDF (Kynar) plastic

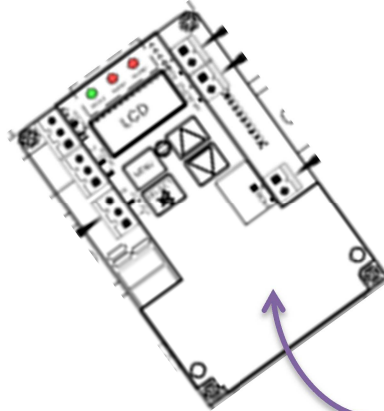
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**Detection** for a powder or granulate **limit - vs. AIR**

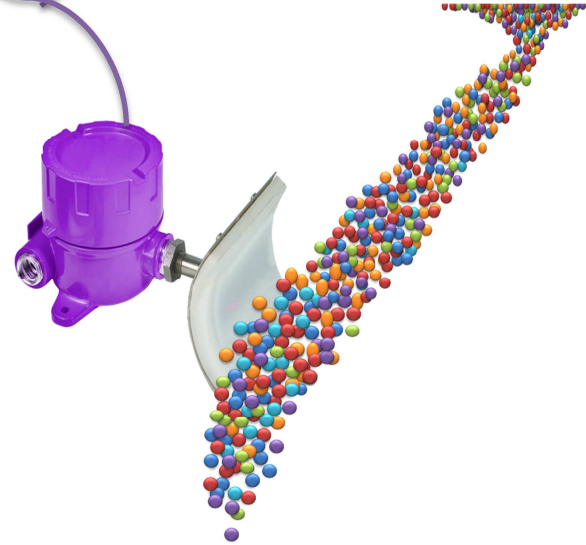
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1.000m



**Control Unit 02852; Technical Specifications**

**Installation** only in no hazardous areas; for DIN-Rail or in a Sheet steel enclosure IP66

**Operating -°C** -40° C , max. 55° C

Measuring principle: **RF-Impedance** (capacitive)

**Resolution:** **0,04pF bis 3.000pF**

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 # both with storable signal output

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**Intrinsic Safety Barrier**  
 to use the RF-Impedance-Sensor-Technology according to **ATEX Class 1, Zone 0,1,2; Ex ia IIC T4 Ga**

**Options** Alarm light , Summer

