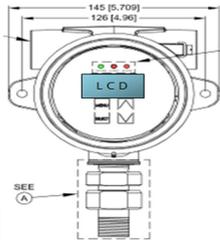


# Measuring System SYNVA-LN

For **powders, granules** and **adhesive fluids**; precisely measure a level.  
This **works** - with the Measuring System **SYNVA-LN!**

Exact level via **SYNVA-LN**; including a potential booster made of stainless steel - can be used up to 200°C and a maximum of up to 100bar.  
The Measuring System **SYNVA-LN** integrates an RF impedance sensor technology (consisting of a rod probe including control 02880) into one unit and it is designed to controlled filling levels continuously - especially for **powder** and **granules** or **fluids** with **organic adhesion!**  
As a potential booster, the **SYNVA-LN** supports the measuring behavior of the integrated rod probe.  
A small change in level immediately leads to a "new" total signal of 4 - 20mA - even with an additional head of foam on the fluid surface !



OPTION  
with viewing window

## Features RF-Impedance-Sensor Technology

in consisting of



### Control Unit 02880; Technical Specifications

incl. Frequency transmitter

<b>Operating -°C</b>	-40° C , max. 55° C
<b>Measur principal:</b>	<b>RF-Impedance</b> (capazitive)
Resolution	0.04 pF up to 3.000 pF
Accuracy	0.2% full scale pF
<b>Power Input</b>	24 V -DC
<b>Communication</b>	RS-485 Modbus
<b>Analog output</b>	0/ 4 - 20mA - proportional
<b>Sensor body; Technical Specifications</b>	
<b>Rod Probe</b>	Stainless steel 316SS; Teflon ¾"NPT thread min. -40°C, max. 200°C max. 100,0bar

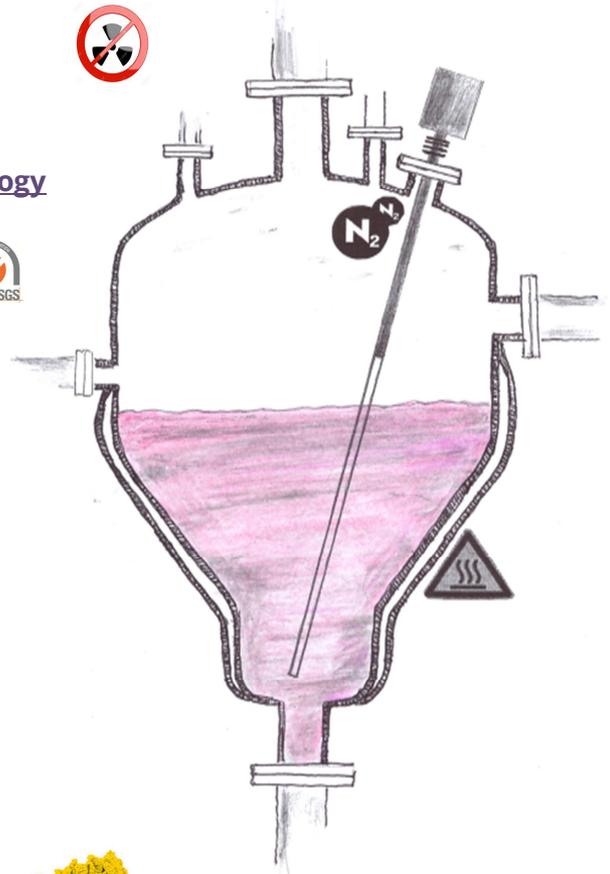
including

**Probe housing** Aluminium - IP66

**Certificates - for the Control Unit and Rod I**

UL/CSA/IEC 61010-1 ; CAN/CSA 22.2

**IECEx / ATEX Class 1, Zone 1,2; Ex ib IIC T5 Gb**



## Process-Features SYNVA-TN

- **Potential-Booster with integral Rod Probe**

<b>Operating temperatures</b>	min. -40° C , max. 200° C	<b>Length</b> under the flange face	max. 3.000mm
<b>Operating pressure</b>	0,0bar , max. 100,0bar		
<b>Process connection</b>	DN 25 bis DN 150		
<b>Flange</b> according <b>EN 1092-1</b>	<b>PN 10 bis PN 100</b>		
or e.g. DIN EN 2401			
<b>Potential-Booster</b>	made in stainless steel 1.4404		
in considering according to Machinery Directive 2006/42/EU			
Process connection fully welded			
in combination with			
• inactive area; in a individual length			
with an additional seal ( PTFE-plastic)			

### OPTIONS

- Centric sheald in stainless steel
- Jacket made with Kynar (PVDF-pastic)
- Jacket made with borosilicate glas

**Potential-Booster** with an integral

**Rod probe** stainless steel 316SS; Teflon  
¾"NPT thread

