

Resistive level detectors STS



- For aggressives and conductive chemicals
- PVC or PVDF
- Up to 5 electrodes
- Custom manufacturing
- Fixed alarming level

APPLICATIONS

Level control of electrically conductive and corrosive liquids:

- Metal finishing industry
- Control of presence or absence of liquid (leak detection, empty piping etc.)
- Pump automation (fill or drain) with ES 2001 relay

DESCRIPTION

The STS level probe with a relay ES 2001, detects a level of a conductive liquid.

The longest electrode is used as the reference. The electrical contact occurs when the reference electrode and another electrode are both in contact with the liquid. Then, the current in detection loop provokes through the relay ES2001, an amplified ON/OFF signal (see data-sheet 530-01).

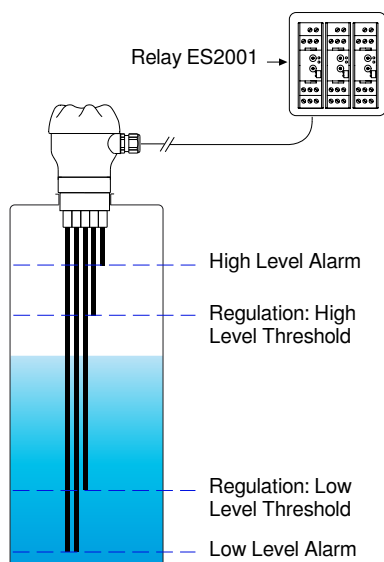
Acid resistant materials:

With Hastelloy G30 electrode ends and PVC or PVDF stems, the STS probes are useful for level control of most acids.

Other electrode ends such as Tantalum, other stem materials (PTFE or PPH), are available on request.

TECHNICAL FEATURES

Type	STS/A	STS/Z	STS/D	STS/V	STS/F
Number of electrodes	1	2	3	4	5
BSP fitting	3/4"	2"	2"	2"	2" 1/2
Flange PN 10	ND 25	ND 65	ND 65	ND 65	ND 80
Min. length (L in mm)	50	70	70	70	70
Max. length (in mm)	3000				
Temperature	See corrosion table				
Max. Pressure	4 bar at 20 °C				
Head housing	In PBT, IP 65				
MATERIALS					
Electrode	Hastelloy G30				
Stem and fitting	PVC (max. 55 °C for water)				
	PVDF (Max. 110 °C for water)				



Installation example

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STS

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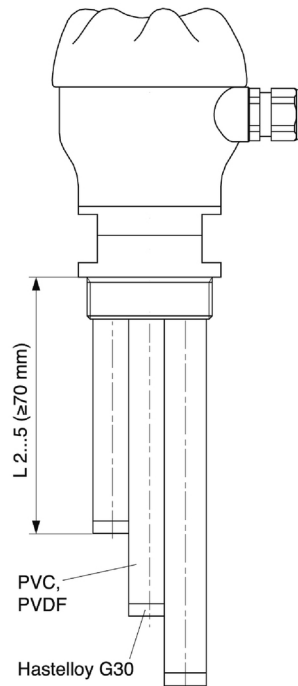
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CODE NUMBERS AND REFERENCES

Reference	Code for PVC	Code for PVDF
STS / A / ... / G 30	543 010	543 110
STS / Z / ... / G 30	543 020	543 120
STS / D / ... / G 30	543 030	543 130
STS / F / ... / G 30	543 040	543 140
STS / V / ... / G 30	543 050	543 150

NOTE: Stems are supplied at the requested lengths (± 2 mm).
By construction (solvent welding on PVC, welding for PVDF) stems cannot be adjusted on site.
Procure to order the necessary quantity of relays ES 2001.



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