

GENERAL CHARACTERISTICS

The capacitive probes, SCV series, are a good solution to control the level of liquids such as water, oil, gas and solids such as powders and granular materials.

The probes are available in different lengths and their construction has been suitably designed to ensure high operational reliability in difficult conditions, such as those found on industrial plants.

- No moving parts.
- PTFE coated electrode.
- Hermetic construction, polyurethane resin.
- Minimum degree of protection IP65.



TECHNICAL DATA

Tab.1

Description		Features			
Power supply		12 – 35 Vdc			
Current consumption		5 mA			
Electrical output NPN Max. load 3W	I2	I1			
	Active (ON)	Deactive (OFF)			
In no level condition					
Activation delay		4 sec.	from 1 to 10 sec. on request		
Differential		3 mm.	T from 0 to 5 mm. on request		
Electrode Cu-Zn alloy					
Electrode coating		E PTFE			
Switch point L1	Mounting				
	Vertical	Horizontal:	On the axis of the probe		
Length L0 mm.	50 90	max. 1000 on request			
Electrical connection		S1 DIN 43650 plug	IP65		
S3 M12x1, 4 poles		IP67			
Max. pressure (bar)					
Media temperature range					
Use – type of liquid		W H ₂ O and conductive liquids			
Z Oil and non conductive liquids					

DIMENSIONS AND MATERIALS

Tab.2

DN	F fitting	SW mm	B mm	A mm	A1 mm	
008	1/4"	24	10	74	58	
015	1/2"	24	14	74	58	
Male thread						
N	G	C	O	S	Available materials	
NPT Conical	Parallel UNI 228/1	Conical UNI 7/1	Brass	AISI-316		
On request						

NOMENCLATURE

SCV	W	008	NO	E50	I2	T	S1
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- Capacitive level-sensor.
- Tab.1 Use – type of liquid.
- Tab.2 Process connection dimension.
- Tab.2 Process connection thread and material.
- Tab.1 Electrode coating and length (mm).
- Tab.1 Electrical output and length.
- Tab.1 Delay and/or differential on request (to be indicated in p. order)
- Tab.1 Electrical connection.



Level

Flow

Pressure

Temperature

Electronic