

SFCG Series of capacitance liquid level sensor

Features

- Measure range can be easily adjusted by customer to fit different size container, and easily to recalibrate.
- Very easy and safe to be installed.
- Indicate gauge (displays fuel level or fuel volume) is optional.
- Wireless is optional.
- Explosion-proof and lighting-proof is optional.

Applications

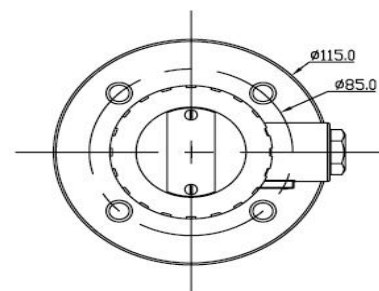
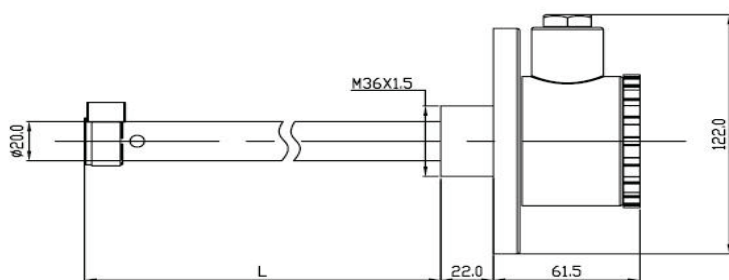
- Chemical plant: acid, alkali, dacron, spandex, and other chemical raw material level detection
- Fuel and oil level detection
- Water level detection

Specifications

- ◆ Power supply : 9 ~ 28V DC
- ◆ Stroke range : 200 ~ 3000mm
- ◆ Output signal : Analog type 0 ~ 5V DC / 4 ~ 20mA
 Digital type RS485 (ModBus RTU)
- ◆ Linearity: $\pm 0.25\%$, $\pm 0.5\%$
- ◆ Resolution: 0.1mm
- ◆ Medium temperature: $-60^{\circ}\text{C} \sim +180^{\circ}\text{C}$
- ◆ Operating temperature: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$



Mechanical specifications



Product selection table

SFC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selection description
Type	G																	Standard
	Z																	Customized
Probe OD	X	X																Unit : mm
Probe material	S																	Stainless steel
	A																	cast aluminium
Stroke range			X	X	X	X												Unit : mm
Precision	A																	0.25%
	B																	0.5%
Output signal									X	X								Appendix 1
Installation												X	X					M 36 thread or DN25 flange
Output type																	D	Connector output
																	P	Directly exit cable(length:1m)
																	M	Display meter

Appendix 1: Output signal

	<input type="checkbox"/>	<input type="checkbox"/>	
Analog output	Output model	Output range	
	A:Current	1、 4~20mA	
	V:Voltage	1、 0~10V DC 2、 0~5V DC	
Digital output	Output model	Date format and Baud rate	
	M:Modbus Output	RTU	ASCII
		0: 2400	A: 2400
		1: 4800	B: 4800
		2: 9600	C: 9600
		3: 19200	D: 19200
		4: 38400	E: 38400
5: 76800	F: 76800		
6: 115200	G: 115200		

Selection example:

SFCG 20 – 1000A – A1 – MK D



Information and technical support:

More detail information please read our products catalogs or contact us directly:

E-mail: info@itargetsensors.com

Visit our web site www.itargetsensors.com, we look forward to solve the problem for you.