

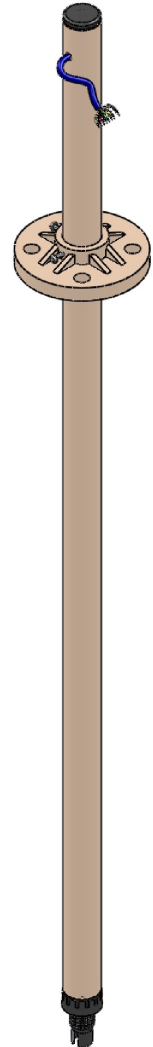
Sensor fitting for immersion installation, 32 mm diameter, for immersion installation of conductivity cells Mod.401AA and Mod.401AB

Sensor fitting for immersion installation suitable to mount Mod.401AA and Mod.401AB conductivity cells.

These immersion fittings are handy and can be easily installed on basins, channels and open tanks. In the 300 mm length execution (SI0AA1x0xx) they can be mounted on the Mod.SI/GAL float: this allows to install the sensor fitting in tanks with variable liquid level with no need for excessive probe lengths that would make handling difficult.

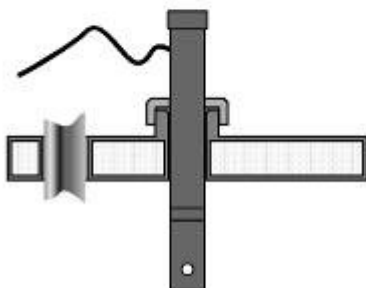
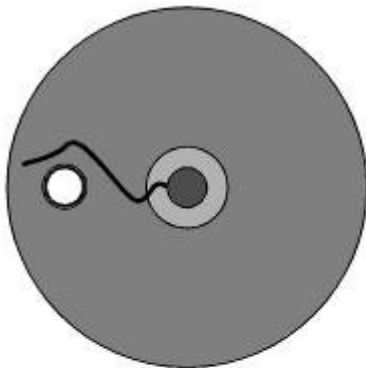
Mod.SI0AA sensor fittings are made of PP or PVDF, with $\varnothing 32$ mm body and are supplied c/w mounting flange.

Typical applications for SI0A and SI0B sensor fittings are conductivity measure in drinking water plants, wastewater treatment plants, in basins, channels and tanks.



Advantages

- Sturdy and compact execution
- Suitable to house Conductivity cells Mod.401AA and Mod.401AB
- Easy to install
- Supplied c/w sliding fixing flange
- Available for float mounting
- Low maintenance requirements



Operating principle and realization

SI0AA sensor fitting includes a body with 32 mm diameter, 600, 1000 or 1500 mm standard length and a cap on the upper part of the fitting.

The fitting body is available in PP and PVDF.

The cell holder allows easy cell replacement.

The sensor fitting can be easily installed through a sliding flange, ISO/DIN DN25, that can be fixed in its position on the body with two screws (included).

The sensor fitting in the 300 mm length version can be mounted on the Mod.SI/GAL float.

SI0AA

Technical Specifications

Allowed sensors:.....Mod.401AA and Mod.401AB Conductivity sensors
 Body material:.....PP or PVDF
 Operating temperature limits: (*):.....5 to 70°C (PP); 5 to 110 °C (PVDF);
 Storage temperature limits:.....0 to +60 °C
 Mounting:supplied c/w mounting flange ISO/DIN DN 25
 Dimensions:Ø32 mm, 600 – 1000 – 1500 mm length
 Weight:.....apprx.0.4 Kg (600 mm version)

(*) Operating temperature must always respect limits given for each sensor.

Installation, Calibration & Maintenance

The sensor fitting can be installed through the sliding flange in basins or tanks, in a vertical position; it may also be installed in a inclined position, with a maximum deviation of 75° from vertical axis. A stainless steel mounting bracket is available for probe mounting: order code SI0AAxx0x1).

The immersion depth can be set by moving the position of the flange on the fitting body ; the flange can then be fixed with the two screws. A 100 mm immersion depth is enough for correct sensor operation.

This probe has very low maintenance requirements (that brevfer to the installed conductivity cell): it is recommended to clean the conductivity cell at periodical intervals defined by the operator on the basis of his own experience of the specific process. After the cleaning always operate a check of the sensitivity of the measuring chains and a calibration if required.

The calibration can be operated either by comparison to properly calibrated portable instruments or extracting the probe from the process liquid, cleaning it and then immersing it into the pertinent known conductivity solution.

Calibration frequency is to be defined by the operator according to specific process requirements.

Order code breakdown

SI0AA	x	x	x	x	x
Immersion fitting, Ø 32 mm suitable for Mod.401AA and Mod.401AB conductivity cells					
Probe length (measured under the flange)					
Reserved	0				
300 mm (only for the probe to be installed into SI/GAL float)	1				
600 mm	2				
1000 mm	4				
1500 mm	5				
Special execution	9				
Probe construction material					
Reserved		A			
Polypropylene, PP (standard)		B			
PVDF, Ø 32 mm fittings, length up to 1000 mm (Note 1)		C			
PVDF, Ø 32 mm fittings, length up to 1500 mm (Note 1)		F			
Special execution		Z			
Fixed Code			0		
Calibration vessel Not included				E	
Stainless steel mounting bracket					
Reserved					0
For fittings Ø 32 mm					1
Not included					4

SI0AA

Accessories included in the supply

Sliding flange ISO/DIN DN25

Optional Accessories

Stainless steel bracket for wall installationOrder probe with code SI0xxx0x1

Calibration solution

Known conductivity solution for the calibration of conductivity measuring chain, 250 ml bottle.....T/401-A

Specify desired conductivity value; typical values are:

1,278 mS, 11,67 mS and 102,09 mS, other values are available upon request.

Float for SI32 installation in tanks or basins with variable levelMod.SI/GAL

SS 316 pipe for float installation : it allows float moving up and down and can be installed near the tank or basin.....Mod.SI/T-G

SS 304 pipe, including the shelter for electronic unit installation and protection;
it is supplied complete with the base plate for floor fixing;
the shelter height of installation can be adjusted.....Mod.P/TE

