



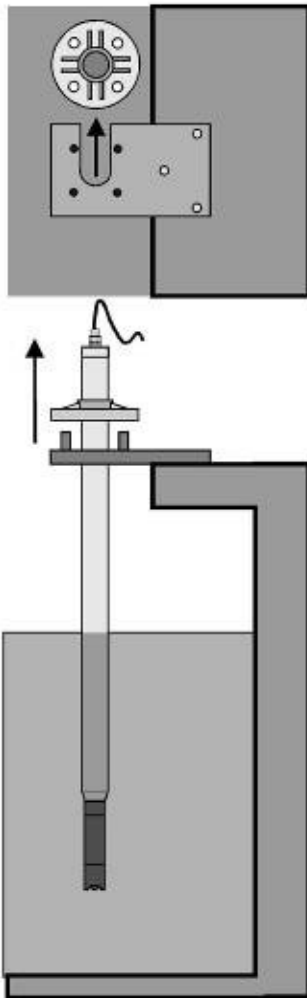
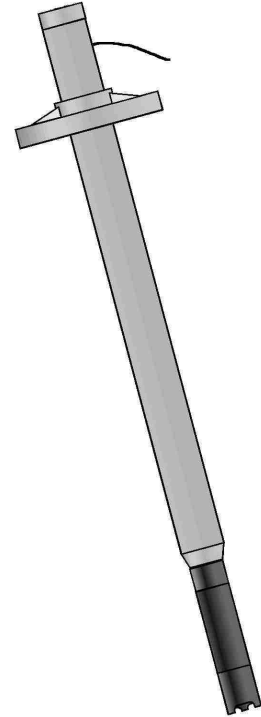
SI0ExB0xx and SI0FxBxx

Sensor fitting, 42 mm diameter, for immersion installation of the 332IxxB Dissolved Oxygen measuring cell

Sensor fitting for immersion installations of the 332I dissolved oxygen measuring cell. These probes, made in PP, and supplied c/w mounting flange, are handy and can be easily installed on basins, channels and open tanks. Mod.SI0F is supplied c/w sensor chemical cleaning system. Typical applications for SI0E and SI0F sensor fittings are wastewater treatment plants (in oxidation basins – biological treatment), all the processes where an oxidation with air or oxygen is carried out, and in fish breeding plants.

Advantages

- Sturdy and compact execution
- Suitable to house Mod.332I dissolved oxygen measuring cell
- Sealed cable outlet
- Low maintenance requirements
- Easy to install
- Supplied c/w sliding fixing flange



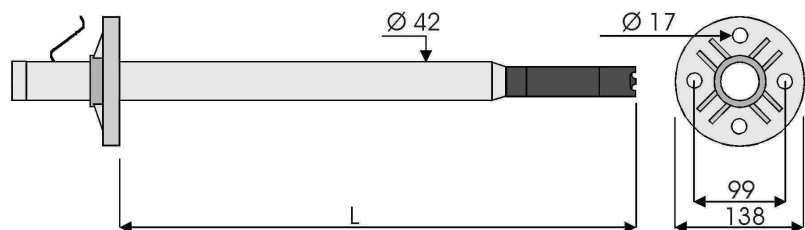
Operating principle and realization

SI0E and SI0F sensor fittings include a PP body with 42 mm diameter, 600, 1000 or 1500 mm length, a cap on the upper part of the fitting and a joint for the connection of the 332I cell. The sensor fitting can be easily installed through a sliding flange, ISO/DIN DN32, that can be fixed in its position on the body with two screws (included).

The probe Mod.SI0F includes the sensor chemical cleaning device. The cleaning sequence is directly driven by the Dissolved Oxygen μ P transmitter.

Technical Specifications

Allowed sensors:.....332I
Body material:.....PP
Operating temperature limits:.....5 to 70°C
Storage temperature limits:.....0 to +50 °C
Electrodes cable:integral to the cell
Cable outlet:.....from sealed cable gland
Max.allowed distance from sensor to instrument:.....15 m
Mounting:supplied c/w mounting flange ISO/DIN DN32
Dimensions: \varnothing 42 mm, 600 - 1000 - 1500 mm length
Weight:.....apprx. 1,5 Kg (600 mm version)



SI0ExB0xx and SI0FxB0xx

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 SI0xxx0x2).

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: it is recommended to clean the sensor at periodical intervals defined by the operators on the basis of his own experience of the specific process. After the cleaning always operate a check of the sensitivity of the measuring chain.

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 leaving it in air. Calibration frequency is to be defined by the operator according to specific process requirements.

Order code breakdown

	SI0	x	x	x	x	x	x
Immersion fittings	SI0						
Type of sensor fitting							
Ø 32 mm suitable for 1 sensor, SI/32		A					
Ø 42 mm for 332/l oxygen sensor SI/42O2		E					
Ø 42 mm for 332/l oxygen sensor, c/w chemical cleaning system SI/42O2+SI/AP-CH		F					
Probe length (measured under the flange)							
Reserved			0				
600 mm			2				
1000 mm			4				
1500 mm			5				
Special execution			9				
Probe construction material							
Reserved				A			
Polypropylene, PP (standard)				B			
Special execution				Z			
Fixed Code						0	
Calibration vessel							
Reserved							A
For fittings Ø 42 mm							C
Not included							E
Stainless steel mounting bracket							
Reserved							0
For fittings Ø 42 mm							2
Not included							4

Note 1: Chemical cleaning system is always made of PP.

Accessories included in the supply

Sliding flange ISO/DIN DN32

Optional Accessories

Stainless steel bracket for wall installationOrder probe with code SI0xxB0x2