PH SENSOR MOUNT - DN50 PP

IDEAL USAGE

Projects requiring an immersion assembly which is designed for installation in (UR) Tanks and basins

APPLICATIONS

Suitable for for use in all tanks, offering a robust and expert approach to accurately placing and installing a pH sensor.

SPECIFICATIONS

Type:	IMM 290
Process pressure:	Max. 4 bar / 58 psi
Process temperature:	Max. 80 °C
Material:	PP
Gasket:	EPDM (FDA/USP VI)
Sensor type:	1 x 120 o. 225 / 12 m, PG 13,5
Immersion length:	2 meter

DESIGN

Type of assembly:	Immersion assembly
Process connections:	Holder for basins / open channels Flange DN 50 PN16
Sensor connection:	3/4 NPT (pH/ORP sensors) PG 13.5 (pH/ORP sensors)

INSTALLATION CONDITIONS

Operating conditions:	Temperature range: 0 ... +80 °C / 0… +176 °F Process pressure: Max. 4 bar / 58 psi
Ambient conditions:	Ambient temperatur: -10...+ 70 °C / 14... 158 °F Transport and storage temperature: -10...+ 80 °C / 14... 176 °F

CLEANING

Hose:	Outer Ø: 6 mm Inner Ø: 4 mm
Rinsing pressure:	1 ... + 6 bar / 14.5... +87 psi
Hose material	PTFE

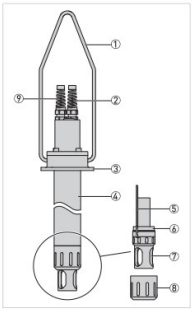

Figure 2-2: Description of the assembly

① Holder
② Cable gland with bend protection (sensor cable)
③ Flange (process connection)
④ Immersion pipe
⑤ Rinsing hose (optional)
⑥ Sensor support
⑦ Protective cage
⑧ Union nut
⑨ Cable gland with bend protection (rinsing pipe)

Flange version

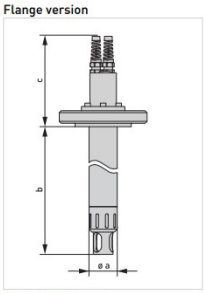

Figure 5-3: Dimensions

DN50 / ANSI 2		
	[mm]	[inch]
a	50	1.97
b	1000 / 2000	39.37 / 78.74
c	161	6.34

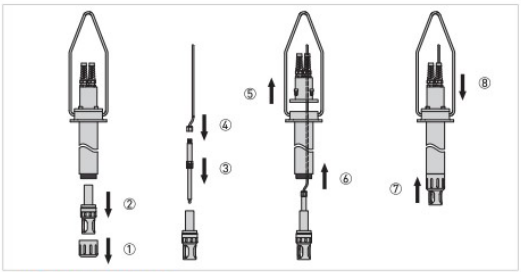

Figure 3-2: Installing the sensor

Steps to install the sensor

1. Unscrew the union nut ① .
2. Detach the protective cage and the sensor support ② .
3. Insert the sensor ③ in the sensor support.
4. Connect the sensor cable to the sensor ④ .
5. Unscrew the screws on the flange ⑤ .
6. Slide the cable ⑥ through the immersion pipe, through the cable gland with bend protection and attach the sensor support ⑥ .
7. Tighten the union nut without rotating the sensor support ⑦ .
8. Tighten the screws on the flange and the cable gland with bend protection ⑧ .