

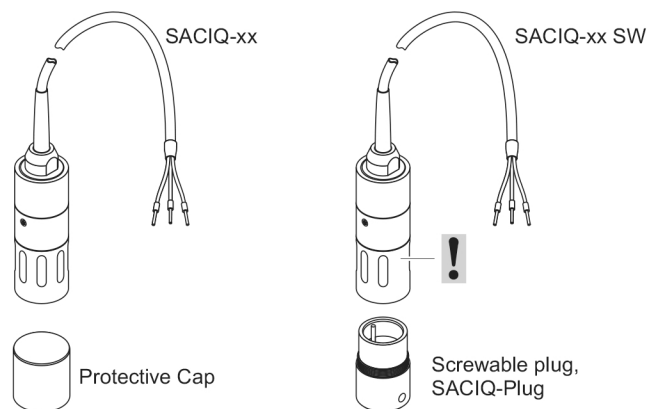


a xylem brand

Operating manual

SACIQ-xx (SW)

IQ SENSOR NET Sensor connection cable



Cable assortment

Cable length	Standard models		Seawater models	
	Model	Order no.	Model	Order no.
1.5 m	SACIQ-1,5	480 040Y		
7.0 m	SACIQ-7,0	480 042Y		
15.0 m	SACIQ-15,0	480 044Y		
20 m			SACIQ-20,0 SW	480 045Y
25 m			SACIQ-25,0 SW	480 066Y
50 m			SACIQ-50,0 SW	480 060Y
75 m			SACIQ-75,0 SW	480 067Y
100 m			SACIQ-100,0 SW	480 062Y
Special length	SACIQ-SO	480 041VY	SACIQ-SO SW	480 064VY

Standard and seawater models

Compared to the standard model, the seawater model is optimized concerning corrosion resistance in sea water and brackish water. All parts that are susceptible to corrosion are made of high quality titanium. The seawater model can be recognized by the missing recessed grip on the coupling ring (see above figure).

Installation

Instructions on handling

How to connect the cable with the sensor and the IQ SENSOR NET is described in detail in the IQ SENSOR NET system operating manual. Please exactly follow the instructions given there.



Sensor maintenance

Caution

Before assembling, thoroughly dry all moist plug connectors on the sensor and connection cable (dab dry or blow out with dry compressed air), especially the area of the electrical contacts and the thread.

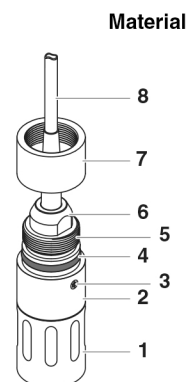
If you disconnect the sensor from the connection cable, close the socket of the sensor connection cable with the protective cap in order to largely avoid moisture and dirt. For safe sealing, use the screwable plug, SACIQ-Plug (it is included in the scope of delivery of the seawater models).

Accessories

For the standard models, the SACIQ-Plug is available as an accessory (order no. 480 065Y).

Technical data

Pos.	Description	Material	
		Standard model	Seawater model
1	Coupling ring	Stainless steel 1.4571	Titanium, grade 2
2	Ring		POM
3	Screw	Stainless steel V4A	Polyamide 6.6
4	O-ring		NBR
5	Enclosure		POM
6	Nut	Stainless steel 1.4571	Titanium, grade 2
7	Protection ring		POM
8	Cable sheath		PUR
-	Protection device	Soft PVC (protective cap)	POM (SACIQ-Plug screwable plug)



Cable

Diameter	8 mm
Smallest allowed bend radius	Permanent bend: 80 mm One-time bend: 50 mm

Temperature range

- 35 °C ... + 80 °C (-31 °F ... 176 °F)

Pressure resistance of the plug connection

Max. admissible overpressure | 10⁶ Pa (10 bar)
(cable connected to sensor)

The sensor meets all requirements according to article 3(3) of 97/23/EC ("pressure equipment directive").