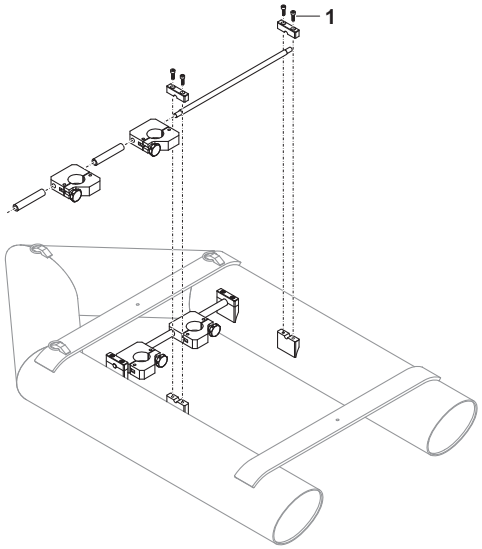
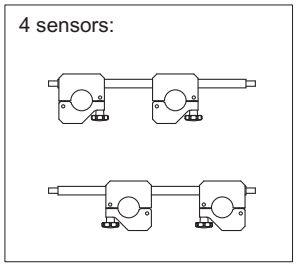
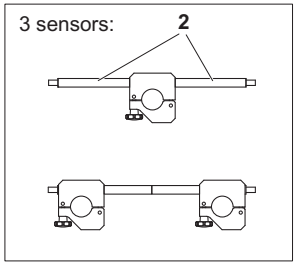
S 200/4: Converting the pendulum mounting assemblies

If the float is equipped with three sensors, the pendulum mounting assemblies of the S 200/4 sensor float can be converted so the weight is equally distributed. To do so, unscrew the hexsocket head screws (pos. 1) of the axis mounting and disassemble the pendulum axes:







Position the pendulum mounting assemblies and distance tubes as shown in the figure. The S 200/4 sensor float is supplied with 2 longer distance tubes (pos. 2) to position the front pendulum mounting assembly in the center.

Technical data

Materials

Float body, pendulum mounting assembly	PVC-U
Screws, pendulum axis, fittings	V4A stainless steel
String	PP, UV resistant

Dimensions and weight (approx.)

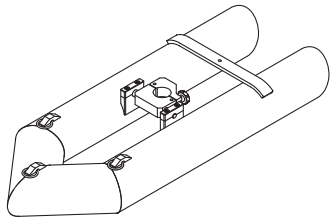
	Length	Width	Height	Unloaded weight	Payload
S 200	850 mm	330 mm	130	2.5 kg	max. 5 kg
S 200/2	1070 mm	460 mm	130	3.7 kg	max. 10 kg
S 200/4	1250 mm	670 mm	180	9.1 kg	max. 20 kg

Application temperature

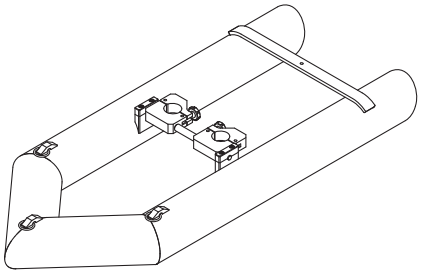
0 ... 60 °C (32 ... 140 °F)

a xylem brand

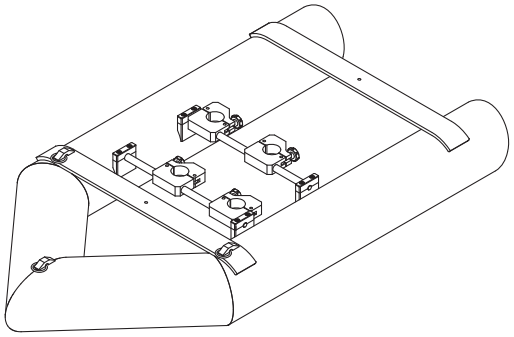
Installation instructions



S 200



S 200/2



S 200/4

Sensor float

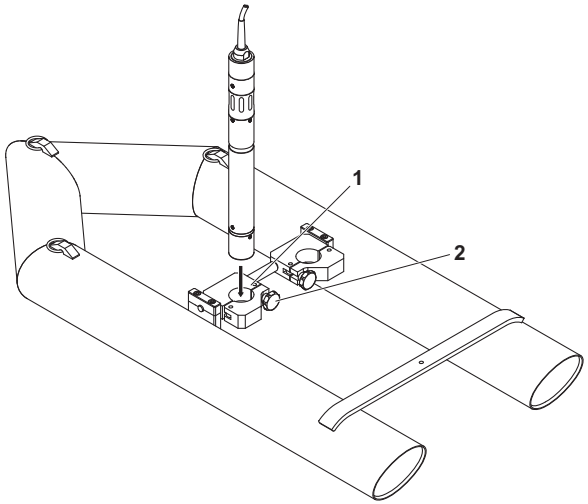
Application areas

The sensor floats can be used where the fixed installation of sensors is unsuitable, e.g. at

- measurement sites with heavily fluctuating water levels (SBR reactors, shafts)
- shallow or unfortified watersides, e.g. river monitoring or fish farming

Installing the sensors

Insert the sensor in the pendulum receptacle (pos. 1) and tighten the star knob screw (pos. 2):



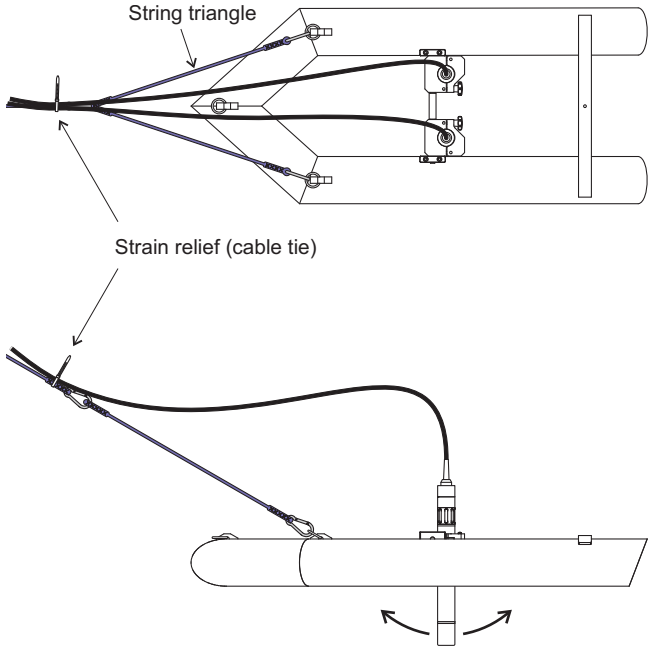
With bulky sensors, you can unscrew the star knob screw further and completely open the pendulum receptacle.

Notes:

- When positioning the sensors make sure the measurement conditions quoted in the sensor operating manual (depth of immersion etc.) are always kept.
- If several sensors are installed (S 200/2 and S 200/4), the weight of the sensors should be evenly distributed on the surface of the float.

Fixing the string

Use the supplied string as shown in the following example:



The pendulum receptacles are pivot-mounted to avoid any collection of fibers. When installing the cables and possibly used compressed-air hoses, make sure the mobility is not restricted. Install the cables in big loops and avoid any tensile strain, e.g. by fixing the cables on the string or the front cross member with the aid of the supplied cable ties.

More application instructions

- Sensors can be submersed deeper with the aid of a universal armature (e.g. UA 55, order no. 109 260). Thus the center of gravity of the sensor float will be deeper and its position in the water better and less prone to capsize in rough water. If there is a strong current, you can additionally weigh down the sensors with the GWA electrode weight (order no. 109 232).
- Heavy cable bundles can be prevented from hanging down too much by attaching suitable floatation devices to them (buoys, styrofoam balls).