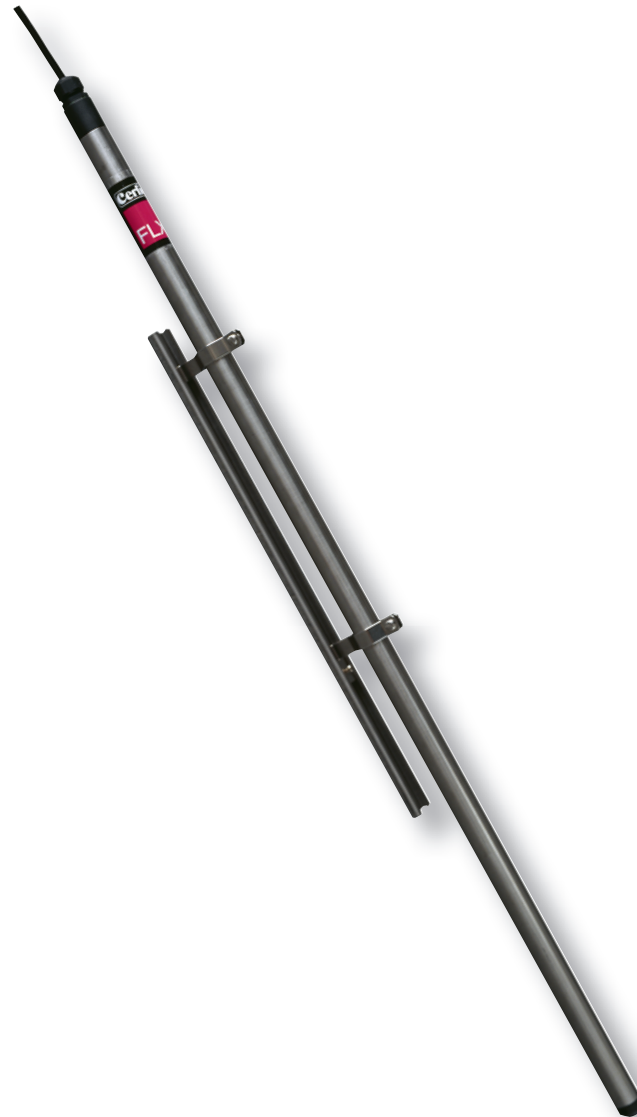


Immersion sensor for Open Channel Flow



■ **Easy to use**

The bracket and the slide rail makes it easy to fit the sensor

■ **Low maintenance**

Self cleaning
No moving parts

■ **Wide measuring range**

Not effected by foam, wind or turbulent water surfaces. A ventilated cable compensates atmospheric pressure changes. Housing of 0.5 m (19.7") or 1 m (39.4") available.

■ **Accurate and stable output signal**

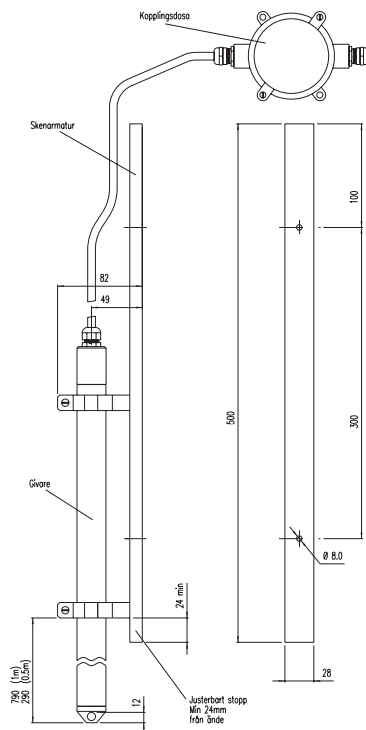
Digital electronics, communication through RS485 to central unit.

Immersion Sensor FLX to measure flow as a function of liquid depth in open channels. Two sensors can be connected to the same **BB2** central unit, so flow can be measured in two types of flumes/weirs simultaneously. Actual flow rate is presented continuously on a display. If overflow function

is selected, then the number of overflows is indicated on the display. The sensor is based on digital electronics with RS485 communication to the central unit. Sensors in the X-series can be connected to a single **BB2** box, which provides two 4-20 mA outputs.

Technical specifications

Material	Housing Top	316SS PVC
Weight	0,5 kg 1,3 kg 2,3 kg	565 mm lenght 1065 mm lenght 2065 mm lenght
Connection	Immersion depth max 30 cm (12")	
Connection cable	5 m (16.5') Hytrel cable with air tube to a junction box and a 10 m (33') polyurethane cabel connected to the BB2 with 24V power supply and RS485 communication.	
Dimensions Types of Measuring Channels	Ø28 x 580 mm (Ø1.1/8" x 23") or x 1080 mm (x 43") Thompson (V-notch), Rectangular weir, Rectangular weir, Cipoletti, Sutro, Palmer & Bowlus, Parshall, Rectangular Venturi, U-shapeed Venturi.	
Measuring range	0.5 m (0 – 19.7") or 1 m (0 – 39.4")	
Unlinear	< 0.3% FS (max) 0.2% FS (nominal)	
Enclosure	IP 65 (NEMA 4X)	
Temperatur Range	0 ... +60°C (32...140°F)	
Option equipment	Slide rail mounting Ø28 adjustable 230 mm (0.9")	



FLX

