



AquaBar BS

Immersion probe with integrated 4/20 mA two-wire transmitter @ 24 VDC

ELECTRONICS

ACOUSTIC

WEIGHT

OVERLOADING
SAFETY SYSTEMS

VALVES

TEMPERATURE

DETECT
A FIRE®

FLOW

DENSITY

INTERFACE

PRESSURE

LEVEL



- **Stainless steel diaphragm**
- **Piezoresistive measuring cell**
- **2-wire technology (output 4-20 mA)**
- **Integrated overload protection**
- **Probe diameter only 19mm**
- **Suitable for 1" pipes**

Submersible probe with integrated 4-20 mA transmitter for hydrostatic level measurement in wells, open water bodies and for ground water level measurement.

An outside diameter of only 19 mm enables the probe to be used even in 1" protective pipes.

The probe can be used in all media which are consistent with stainless steel and PUR.

The piezoresistive pressure pickup guarantees high accuracy and longterm stability.

The probe operates in 2-wire technology (4-20mA). An integrated overvoltage and polarity protection ensures high electric operational reliability.

On request the probes can be manufactured according to conditions specified by the customer.

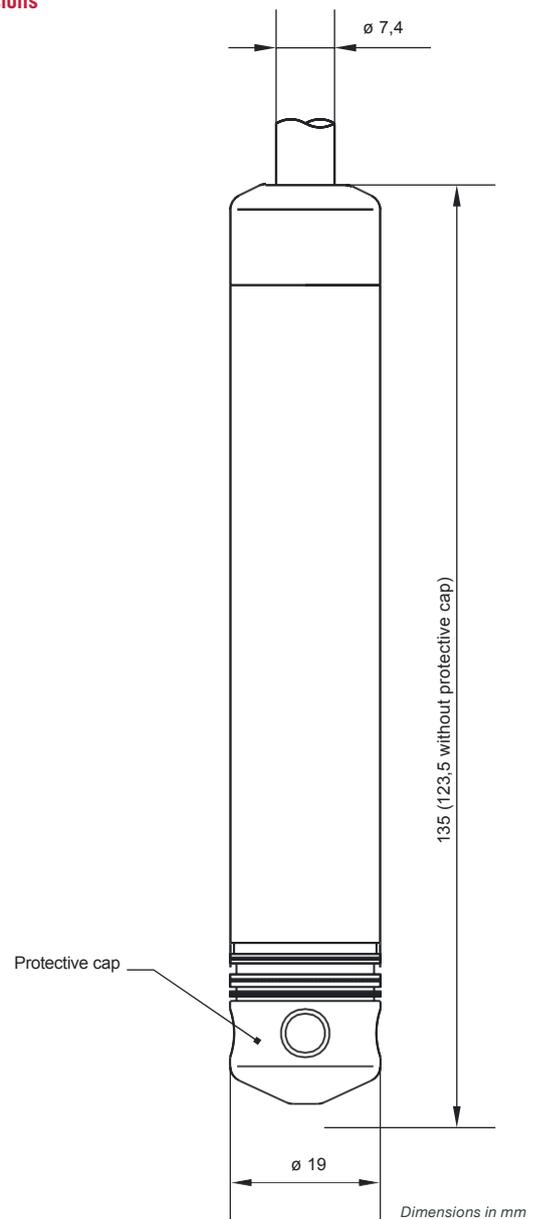
For probe mounting straining clamps and connection boxes with integrated pressure compensation are available.

Technical Specifications

SUBMERSIBLE PROBE

Measurement range	4, 6, 10 and 20 m water column special measurement ranges on request
Power supply	12 to 36 V DC
Output signal	4-20 mA, 2-wire technology
Accuracy according to IEC 60770	0.35% FSO
Long-term stability	± 0,1 % FSO/year
Electric connection	free cable end
Load	600 Ohm/24 V 1000 Ohm/32 V
Integrated overvoltage protection	-120 to 150 V DC (1 sec at 25 °C)
Operating temperature	-10 °C to +70 °C
Storing temperature	-25 °C to +70 °C
Material	<ul style="list-style-type: none"> • diaphragm: stainless steel 1.4435 • enclosure: stainless steel 1.4571 • sealing: Viton® • cable: ø 7.4 mm Polyurethane
Cable length	10, 20, 30, 50, 100 m special length on request
Protection	IP68
Measuring principle	piezoresistive
Accessories	
Straining clamp	AKL 1, stainless steel 1.4571
Pressure compensation	for junction boxes not submersible
Junction box	IP65 with pressure compensation

Dimensions



Connection

2-wire 4...20mA

