



- Stainless steel diaphragm
- Piezoresistive measuring cell
- 2-wire technology (output 4-20 mA)
- Integrated overload protection
- High accuracy
- High electrical operational reliability



AquaBar

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Submersible probe with integrated 4-20 mA transmitter for hydrostatic level measurement in clear to slightly polluted fluids.

The diameter of only 27 mm allows to use the AquaBar in stand pipe applications which are mainly used in ground water level measurement and deep well measuring.

The proven piezoresistive measurement principle ensures high long-term stability and operational reliability. The AquaBar is highly resistant against electrical faults caused by incorrect wiring, short circuit and overvoltage.

The robust probe enclosure is made of 1.4571 stainless steel with a 1.4435 stainless steel diaphragm. It is held by a self-supporting PUR cable. The probe can be suspended e.g. on manhole walls by using a straining clamp.

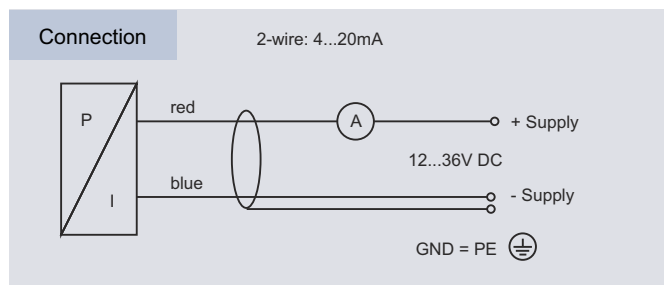
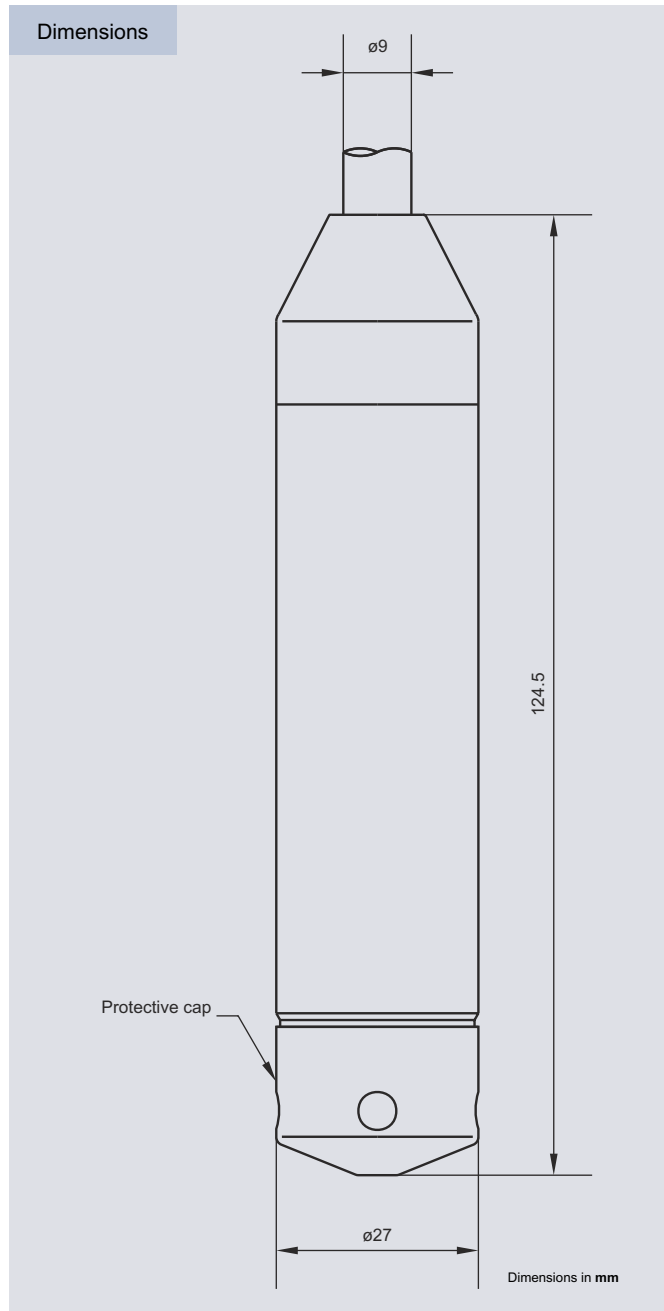
Utilising the widely used 2-wire technology, the installation costs are very low. Special measurement ranges and customised versions are available on request.

Specifications

Submersible probe	
Measurement range	4, 6, and 10 m H ₂ O 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: ø9 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

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You can find more information in the instruction manual or on www.nivus.com



Specifications are subject to change.
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