



SENSORS &  
CONTROLLERS



ANALYZERS  
& SAMPLERS



LEVEL, FLOW  
& PRESSURE



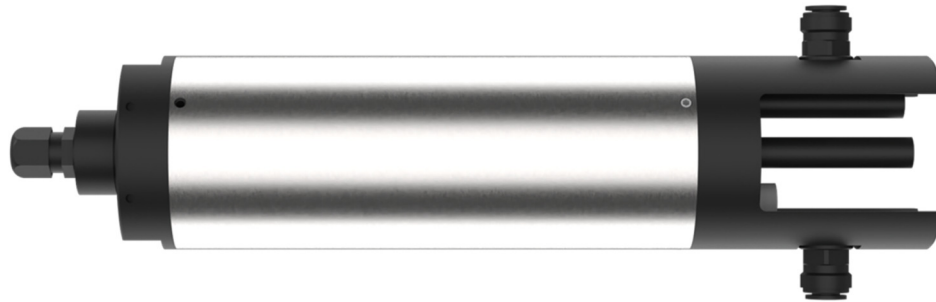
WEB APP &  
DATALOGGING



ACCESSORIES

# S470/N DATASHEET

## MULTIPARAMETER SENSOR



### MAIN FEATURES

- Real time measure of all the parameters
- Measuring method with sensitive membranes
- AISI 316 and Black rigid PVC sensor body
- PVC protection to avoid incidental hurts of the electrodes
- No mechanically moving parts
- Immediate installation and easy maintenance
- Quick connections for electrodes' washing
- Interchangeable electrodes. Replacement is easy and safe
- High measurement stability, with drift 25 days

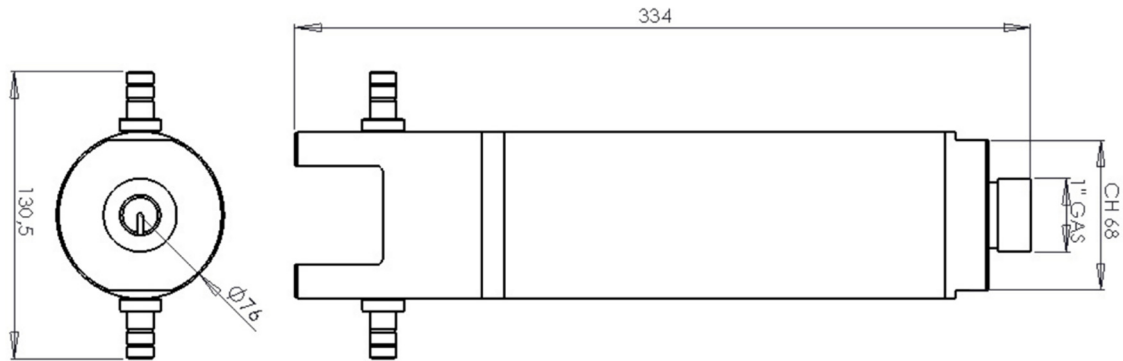
### APPLICATIONS

- Measure of ammonia
- Measure of potassium
- Measure of nitrates
- Measure of chlorides
- Measure of temperature

## TECHNICAL DATA

Materials	• AISI 316 Body • Black PVC protection, electrodes' housing and cap • NBR O-Rings
Thread	1" BSP
Measuring ranges	– NH <sub>4</sub> : 0-20ppm, 0-100 ppm, 0-1000 ppm – K <sup>+</sup> : 0-1000 ppm – NO <sub>3</sub> : 0-20ppm, 0-100 ppm, 0-1000 ppm – Cl <sup>-</sup> : 0-1000 ppm
Measuring method	Via sensitive membranes
Resolution	0.1 mg/L
Accuracy	± 5% of the measured value
Repeatability	± 3% of the measured value
Response	T <sub>90</sub> < 60s
Maximum refreshing time	< 1 second
Working temperature	5-40°C
Max working pressure	1 bar
Working pH range	2-9 pH
Max absorption	3W
Mechanical protection	IP68 Sensor+cable
Cable	10m submersible
Power supply	12...24Vdc
Signal interface	Modbus RTU Standard Protocol
Compensation of temperature	PT100 included
Calibration	The electrodes are all factory calibrated according to a calibration curve. This can be changed simply by changing a calibration factor k, or performing a new calibration table with two or more reference standards up to 6; this process can be made for all available measures. Factory-calibration tables remain available in the probe memory. ISE sensor must be recalibrated once every 15/20 days.

## DIMENSIONS



## ORDER CODES

9701050067	S470/N immersion probe ISE NH <sub>4</sub> , K <sup>+</sup> , NO <sub>3</sub> , Cl <sup>-</sup> 10m cable
9701051067	S470/N/NH <sub>4</sub> immersion probe for Ammonium ion 10m cable
9701052067	S470/N/NO <sub>3</sub> immersion probe for Nitrate ion 10m cable
9711051067	S470/N/NH <sub>4</sub> Immersion probe for 0-20ppm ammonium ion c. 10m