



SENSORS &  
CONTROLLERS



ANALYZERS  
& SAMPLERS



LEVEL, FLOW  
& PRESSURE



WEB APP &  
DATALOGGING



ACCESSORIES

## S495 DATASHEET

PT-PT OPEN AMPEROMETRIC SENSOR FOR FREE CHLORINE MEASUREMENT



### MAIN FEATURES

- Three electrodes for chlorine measurement.
- Immediate installation and easy maintenance
- Absence of moving mechanical parts
- Programmable self-cleaning of the electrodes
- Modbus 485 RTU output for chlorine and temperature measurement, with integrated temperature compensation
- No spare parts needed

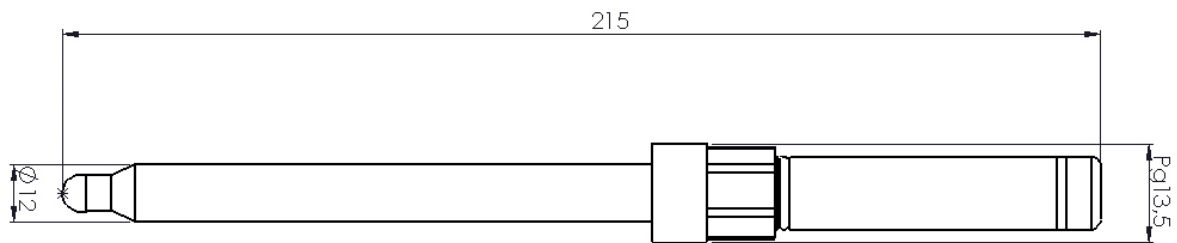
### APPLICATIONS

- Swimming pools
- Drinking water
- Service and process waters

## TECHNICAL DATA

|                            |   |
|----------------------------|---|
| Materials                  | Probe body in Ryton®, Measuring stem in glass, Electrodes in platinum, Porous septum in ceramic, Oring in NBR |
| Measurement system         | Three-electrode ammeter   |
| Measurement range          | 0-10ppm Cl <sub>2</sub>   |
| Measurement error          | ±10% of reading but not less than ±0.05ppm  |
| Cleaning the sensor        | automatic and programmable in-situ cleaning   |
| Process connection         | PG13,5  |
| Length                     | 215 mm ( glass stem: 123 mm)  |
| Glass stem diameter        | 12 mm   |
| Interfering                | ClO <sub>2</sub> , O <sub>3</sub>   |
| Operating Flow             | 30-70 l/h constant  |
| First stabilization time   | approx. 30 min  |
| Response time              | T <sub>90</sub> approx. 30s   |
| pH Range                   | pH 6-8  |
| Operating Temperature      | 5-75°C  |
| Maximum operating Pressure | 6 bar   |
| Mechanical protection      | IP68  |
| Cable                      | PUR 10m with M12 4-poles male connector   |
| Power Supply               | 9-36 Vdc  |
| Maximum absorption         | 500 mW  |

## DIMENSIONS



## ORDER CODES

|            |   |
|------------|---|
| 9701100097 | S495 Sensor for Chlorine Amperometric Measure Pt-Pt |
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