

Digital Residual Chlorine Sensor

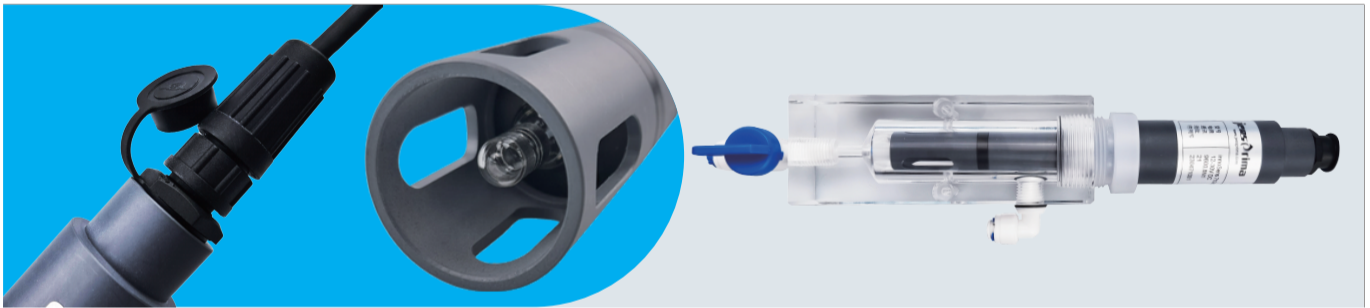
innoSens 710-RS

The innoSens 710-RS digital residual chlorine Sensor is based on the double platinum constant voltage measuring principle. The measuring and reference electrodes maintain a constant potential at which different measured constituents produce different current intensities. During the measurement process, Cl₂ and HClO are consumed, so the current intensity generated is related to the concentration of residual chlorine in the water.

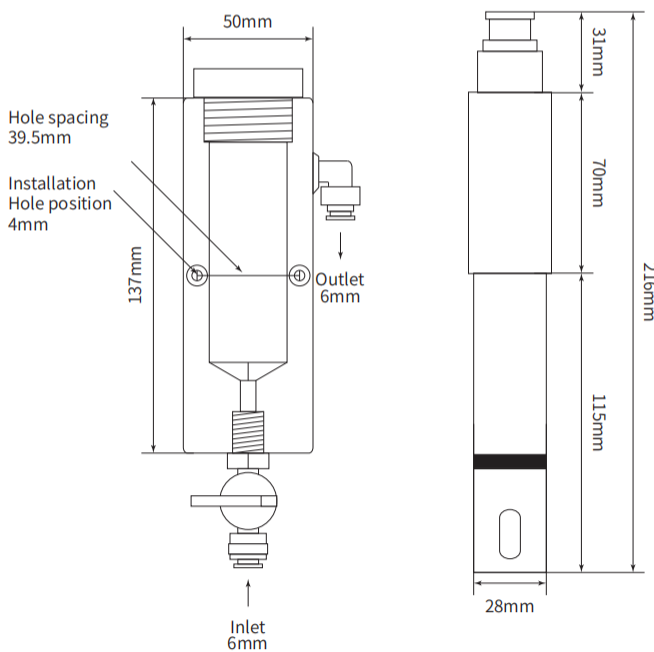
The measurement signal decreases with increasing pH when the pH value is in the range 6-8, can be compensated for by manual or automatic input of the pH value on site. This digital sensor can also measure the concentration of chlorine dioxide with the standard RS485 Modbus RTU communication protocol and can also be used with the JENSPRIMA Flumsys 10TC controller.

Measuring parameters

Residual chlorine, chlorine dioxide



Dimensional Drawing



Features

- No need for any colorimetric reagents
- No need to change diaphragms and electrolytes
- No controller required, standard RS485 Modbus RTU communication
- Temperature compensation function (optional)
- pH compensation function (optional)
- For use with PA-720 flow cell

Technical parameters

Product type:	innoSens 710-RS
Measuring range:	0-2.000/0-20.00ppm (mg/L), 0-60°C
Resolution:	0.001/0.01ppm, 0.1°C
Accuracy:	±2%f.s., ±0.2°C
Power supply:	12-24VDC
Communication:	RS485 Modbus RTU (9600, 8N1)
Temperature compensation method:	NTC10K (optional)
pH compensation:	manual/automatic writeable
Operating temperature:	0-60°C
Storage temperature:	0-70°C
Recommended flow rate:	15-30L/h
Electrode material:	PVC, glass
Cable length:	5m as standard
Installation:	with PA-720 flow cell

Order Guide

Order No.	Description
36-0710-00	innoSens 710-RS, Digital residual chlorine Sensor
36-0710-10	innoSens 710T-RS, Digital residual chlorine Sensor (with automatic temperature compensation)
50-0720-00	PA-720 flow cell