

# Multi-Parameter Water Quality Measurement Instrument

## iSens-Q Series



### Overview

The multi-parameter water quality meter is a multi-parameter measuring instrument that can integrate pH/ORP, conductivity, salinity, dissolved oxygen (DO), turbidity, COD, TOC, ammonia nitrogen, free chlorine, ammonia nitrogen, and temperature into one instrument. The instrument can be installed up to four sensors to obtain water quality parameter data. Each sensor through different electrochemical, optical, or physical detection means to measure the respective parameters. Users can read the measurement data through handheld instruments, but also through the data acquisition instrument to transfer data to the data acquisition platform.



### Main Features

- Quick measurement, shortest measurement cycle of 10 second
- No reagent consumption, environmentally friendly
- Long maintenance-free cycle, sensor comes with cleaning brush
- RS485 communication for fast connection to gauge heads
- IP68 protection for harsh environments

### Specifications

Dimension	φ90×448 mm (Without Battery)	Installation	Submerged
	φ90×608 mm (With Battery)		
Power requirement	DC 24 V	Depth	Maximum depth 100 m
Operating temperature	2 to 45 °C	Communication	RS485(Modbus RTU), WiFi/Bluetooth

### Parameter information

Parameter	Model No.	Range	Resolution	Accuracy
pH	WQS-pH-S0x	1-14	0.01	±0.1 pH
ORP	WQS-ORP-P01	-1500 mV-1500 mV	1 mV	±20 mV
EC	WQS-EC-S01	0.001-200 000 µS/cm	0.001 µS/cm	±5%
Salinity		0.01-120 000 mg/L	0.01 mg/L	±5%
DO	WQS-DO-S01	0-20 mg/L, 0-200%	0.01 mg/L	±0.1 mg/L
TUR	WQS-T-SC4	0-1000 NTU	0.001 NTU	± 5 % or ± 0.015 NTU
COD	WQS-M-L10	0-500 mg/L	0.01 mg/L	±5% or ±5 mg/L
NO <sub>3</sub> -N		0-25 mg/L	0.01 mg/L	±5% or ±1 mg/L
TOC		0-200 mg/L	0.01 mg/L	±5% or ±2 mg/L
NH <sub>3</sub> -N	WQS-NH <sub>3</sub> -S01	0-1000 mg/L	1 mg/L	±5% or ±1 mg/L
Free chlorine	WQS-Cl	0-2 mg/L 0-20 mg/L	0.01 mg/L	±3% F.S.
Temperature	-	0-50 °C	0.1 °C	±1 °C
Depth	-	0-100 m	0.001-1 m	±0.05 ~±10 m

### Application



Monitoring of influent and effluent treatment process of sewage treatment plant



Water quality monitoring of urban pipe network



Surface water, rainwater, groundwater monitoring



Tape water and Pipe Network,