

[Features]

- Integrated design with built-in IoT transmission and sensors; ready to operate once powered, with all functions pre-installed
- IP68 submersible, corrosion-resistant material; can be directly immersed in water without protective casing
- Ultra-low power consumption, ideal for green energy IoT deployments
- High-strength isolated cables suitable for direct use; ensures stable signal transmission
- Power supply and IoT signals have surge isolation protection
- Supports dual digital communication via RS-485 and Wi-Fi
- Standard Modbus RTU protocol allows global IoT connectivity
- Smart design can store calibration parameters; after calibration, it can be directly installed on-site
- Mobile web interface for convenient on-site operation
- On-site protective cover allows replacement of standard calibration bottles; calibration is highly convenient
- Three-point calibration available; can calibrate using standard solutions or samples with known concentrations
- During calibration and automatic cleaning, the last reading is maintained to prevent false readings; status can be monitored (calibrating / auto-cleaning / stable / maintenance)
- Latest three calibration records (date / slope / calibration points) can be queried via Web or RS-485



[Applications] Sewage, Seawater, Subterranean water, Aquaculture, River and lake detecting system

[Optional code]

CL485 – Code 1 – Code 2 – Code 3

Code 1	Function	Code 2	Sensing end connector	Code 3	Line/Air duct length
N	No auto-cleaning	C	Quick connector	N	3M
A	Auto-cleaning(Including standard 12VDC air pump, nozzle)			C	3 meters + quick connector
A24	Auto-cleaning(Including 24VDC air pump, nozzle)	F	Cable head	Value N	Line length
				Value C	Line length + quick connector

[Technical Specifications]

- RS-485 Modbus RTU. The mobile phone operates with web page(no app).
- Data resolution:16 bit(0.001%F.S)
- Surge protection:8000VDC
- Protection: polarity 、 overload 、 short circuit
- Installation method: submersible type, tee type, insertion type

[Residual Chlorine Specification]

Residual Chlorine Specification		Temperature Specification	
Measuring range	0~20 mg/L Slope reading 70~130%	Temperature principle	NTC30K
		Measuring range	-10~120°C(ATC)
		Accuracy	±0.2°C
Accuracy	±5 % F.S	Resolution	0.1°C
Resolution	0.01 mg/L	Reproducibility	0.1°C
Operating temperature	0~60.0 °C	Other Specification	
Response time	T90<5 seconds	Link above	3/4" NPT
Communication	RS-485 Modbus RTU Web Browser direct reading (192.168.1.80)	Link below	M42
		Housing Material	PP, acid and alkali resistance/food grade/ zero dissolution
		Electrode material	glass
		Dimension	ø50*L213.9mm
		Weight	≤340g
		Power	Auto-cleaning : 12 or 24VDC(optional) Non auto-cleaning : 9 ~ 36VDC
Safety certification	CE 、 FCC	Power consumption	Auto-cleaning : 6.8W Non auto-cleaning : 0.8W
		Ingress Protection Rating	IP68

[Dimension] Unit:mm

