No.	Original Code / Label	Standard English Name	Chinese Name	Description	Unit / Note
1	Conductivity 1	Electrical Conductivity 1	电导率 1	Electrical conductivity measurement channel or range 1.	µS/cm
2	Conductivity 2	Electrical Conductivity 2	电导率 2	Electrical conductivity measurement channel or range 2.	µS/cm
3	pH	pH Value	酸碱度（pH值）	Indicates how acidic or alkaline the water is.	pH
4	ORP	Oxidation-Reduction Potential	氧化还原电位	Indicates the water's tendency to oxidize or reduce substances.	mV (commonly used; confirm device setting)
5	Dissolved Oxygen	Dissolved Oxygen (DO)	溶解氧	Measures the amount of oxygen dissolved in water.	mg/L (commonly used; confirm device setting)
6	ammonium	Ammonium Ion	氨氮传感器测试水中的铵离子含量	The online ammonia nitrogen sensor uses an ammonium ion-selective electrode based on a PVC membrane to measure the ammonium ion (NH_4^+) concentration in water.	mg/L
7	TSS	Total Suspended Solids	总悬浮固体	Measures the concentration of suspended solids in water.	mg/L
8	salinity	Salinity	盐度	Indicates the salt content of water.	PSU
9	COD	Chemical Oxygen Demand	化学需氧量	Indicates the oxygen equivalent required to chemically oxidize substances in water.	mg/L
10	HClO	Free Chlorine (as Hypochlorous Acid, HClO)	游离余氯（以次氯酸计）	Free chlorine measured in the form of hypochlorous acid. This is not the same as total chlorine.	mg/L
11	chlorophyll	Chlorophyll	叶绿素	A pigment parameter commonly used to assess phytoplankton or algal biomass.	ug/L
12	blue-green algae	Blue-Green Algae (Cyanobacteria)	蓝绿藻（蓝藻）	Indicates the presence or concentration of cyanobacteria.	Kcells/mL
13	transparency	Water Transparency	水体透明度	Indicates how clear the water is, often assessed by light penetration or a transparency measurement.	mm
14	suspended solid	Suspended Solids (SS)	悬浮物	The online suspended solids sensor uses the light-scattering method. When light enters a water sample, suspended particles scatter the light. The sensor measures the intensity of backscattered light and compares it with internal calibration values to calculate the suspended solids concentration, then applies linearization to obtain the final reading.	mg/L
15	oil in water	oil Content in Water	水中油传感器	An oil-in-water sensor is designed to continuously monitor the concentration of oil-based substances in water, such as mineral oils and vegetable or animal oils. In simple terms, it measures the oil content in water.	mg/L
16	chroma	Water Color (Chroma)	水体色度	The online color sensor measures water color by detecting the absorption of visible light at a wavelength of 470 nm. It uses two light sources: one visible light source to measure color and another reference light source to measure water turbidity.	Hazen

17	hardness	Water Hardness	水硬度	The total hardness sensor uses calcium and magnesium ion-selective electrodes based on PVC membranes to measure the total hardness of water, expressed as $CaCO_3$.	mg/L
18	MLSS	Mixed Liquor Suspended Solids	污泥浓度	The online MLSS Sensor uses the light-scattering method. When light passes through a water sample, suspended particles scatter the light. The sensor measures the intensity of backscattered light and compares it with internal calibration values to calculate the sludge concentration, then applies linearization to obtain the final reading.	mg/L
19	Cu	Copper Ion	铜离子	Indicates copper ion concentration in water.	mg/L
20	Ca	Calcium Ion	钙离子	Indicates calcium ion concentration in water.	mg/L
21	Ka	Potassium Ion (K^+)	钾离子	Potassium's standard chemical symbol is K; Ka may be the original software label.	mg/L
22	chloridion	Chloride Ion	氯离子	The online chloride ion sensor uses a solid-state ion-selective electrode to measure free chloride ions (Cl^-) in water.	mg/L
23	fluorinion	Fluoride Ion	氟离子	Indicates fluoride ion concentration in water.	mg/L
24	nitrate nitrogen	Nitrate Nitrogen	硝酸盐氮（硝氮）NON	The sensor uses a nitrate ion-selective electrode based on a PVC membrane to measure the nitrate ion (NO_3^-) concentration in water.	mg/L