IDVIEW

Water Quality Sensors

① IV-7080 PH sensor
② IV-7081 Dissolved Oxygen Sensor
③ IV-7082 EC Conductivity Transmitter
④ IV 7083 ORP sensor
⑤ IV-7084 Nitrate Nitrogen Sensor

Water Quality Sensor

Key features：

- Various water treatments (river/lake/potable water source / groundwater/marine water quality, etc.), aquaculture, environmental monitoring, and other industries.
- Rs485 output (Modbus/RTU protocol)
- Real-time data transmission allows you to get timely and accurate data on monitoring water bodies.
- reliable and easy to use
- IP68 protection

Specification	PH sensor	Dissolved oxygen sensor	EC conductivity sensor
Range	0~14pH	0~20mg/L(0~200% saturation，25℃)	0~5000μS/cm
Resolution	0.01pH	0.01mg/L，0.1℃	1
Accuracy	±0.1pH	±2%F.S.，0.5℃	±1.5%F.S.
Operating temperature	0~65℃	0~45℃	0~65℃
Working pressure	<0.2MPa	<0.2MPa	<0.6MPa
Temperature compensation	Auto (NTC)	Auto (Pt1000)	Auto (Pt1000)
Power supply	12~24VDC±10%	12~24VDC±10%	12~24VDC±10%
Output mode	RS-485(Modbus/RTU)	RS-485(Modbus/RTU)	RS-485(Modbus/RTU)
Material POM	POM		ABS/SUS316L(default)/PVC
Installation	3/4 "NPT thread, immersion mounting	3/4 "NPT thread, immersion mounting	3/4 "NPT thread, immersion mounting
Cable length	5m, other length can be customized	5m, other length can be customized	5m, other length can be customized
Calibration method	Two-point calibration	Two-point calibration	Two-point calibration
Power	<0.3W@12V	<0.3W@12V	<0.3W@12V
Degree of protection	IP68	IP68	IP68

Specification	ORP sensor	Nitrate Nitrogen Sensor	
Range	-1500~+1500mv	0~100mg/L或0~1000mg/L	
Resolution	1mV	0.1mg/L	
Accuracy	±6mV	±10%或±2mg/L	
Operating temperature	0~65℃	0~45℃	
Working pressure	<0.1MPa	<0.1MPa	
Temperature compensation		Auto (Pt1000)	
Power supply	12~24VDC±10%	12~24VDC±10%	
Output mode	RS-485(Modbus/RTU)	RS-485(Modbus/RTU)	
Material POM	POM	PVC and POM	
Installation	3/4 "NPT thread, immersion mounting	3/4 "NPT thread, immersion mounting	
Cable length	5m, other length can be customized	5m, other length can be customized	
Calibration method	One-point calibration	Two-point calibration	
Power	<0.3W@12V	<0.3W@12V	
Degree of protection	IP68	IP68	

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