

FEATURES

- On-line & real-time measurement
- Titanium alloy electrode & teflon lining
- High accuracy
- Electromagnetic isolation
- Strong resistance to corrosion
- Polarization resistance
- Integral design without external transmitter
- RS485 and 4-20mA output



APPLICATIONS

- Environmental protection
- Aquaculture
- Water source monitoring
- Environmental monitoring
- Sewage treatment
- Intelligent agriculture

TECHNICAL SPECIFICATION

Item	Technical Specification	
	EC	Salinity
Measuring medium	Soil or similar to soil	
Principle	Frequency conversion method	
Range	0~1000us/cm, 0~2000us/cm, 0~5000us/cm, 0~10000us/cm, 0~200ms/cm, (any range of 0-300ms/cm can be customized, 1ms/cm = 1000us/cm)	0~100000ppm(mg/L) 1ppm(mg/L)=1000ppb(ug/L)=1000000ppt(n g/L)
Supply	7-30VDC(power consumption<0.2W)	
Accuracy	±1%	
Response time	1s	
Output signal	4-20mA & RS485 at the same time	
Electrode	Titanium alloy	
Temperature compensation	Automatic compensation	
Drift	≤0.3%FS/24h	
Operating temperature	-20°C~+80°C	
Probe material	316L	
Probe dimension	Φ 14*215mm	
Ingress protection	IP68	
Storage	10-60°C@20%-90%RH	
Cable length	Default:5m	

DIMENSION

Unit: mm



PARAMETER SELECTION TABLE

Remark	Series	Type	Parameter	Supply	Output	Cable Length	
BS							
	500						
		23					
			E				EC
			S				Salinity
				A			7-30V
				X			Other
					A		4-20mA
					B		RS485
					X		Other
						5000	Unit(mm)
						...	Unit(mm)

Example: BSRK500-23AA5000 EC sensor, Supply:7-30V, Output:4-20mA, Cable length:5m.