JNC

光學式藍綠藻感測器(RS485 型)

Blue-Green Algae Sensor (RS485 Type)

BGA

[Features]



- Principle: fluorescence. A specific wavelength excites phycocyanin; the emitted intensity gives the concentration.
- Housing: 316L stainless steel, corrosion resistant.
- RS-485 digital interface with standard Modbus RTU.
- Reagent-free, no secondary pollution, for online monitoring.
- Standard-solution calibration allows on-site adjustment.
- Built-in wiper stops fouling; interval is adjustable.
- Measures and outputs water temperature simultaneously.
- IP68 rated, CNS 14165 tested for long-term submersion.

[Applications] Lakes, reservoirs, rivers, aquaculture, raw water.

[Model Selection]

BGA-Code 1-N-N

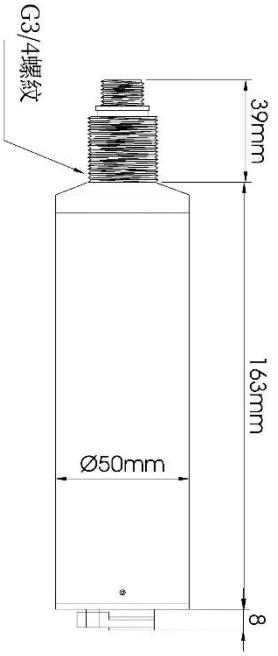
Code 1	Sensor Cable	Code 1	Sensor Cable
10N	10 m + Bare Wire	10C	10 m + Quick Conn.
Value N	Length + Bare Wire	Value C	Length + Quick Conn.

※RS485 Type: Code 2 and Code 3 are fixed at N

[Specifications]

Principle	Fluorescence
Range	100~300,000 cells/mL
Temp. Range	0°C ~ 50°C
Accuracy	±3% F.S.
Temp. Acc.	±0.5°C
Max. Press.	0.2MPa
Calibration	Standard Solution
Interface	RS-485 Modbus RTU
Power	9~36VDC
Weight	1.0 kg (with 10 m cable)
Dimensions	Ø50*210mm
Protection	IP68 (CNS 14165)
Housing	316L Stainless Steel

[Dimensions] Unit:mm



JNC

光學式藍綠藻感測器(Wi-Fi 型)

Blue-Green Algae Sensor (Wi-Fi Type)

BGA

[Features]

- Principle: fluorescence. A specific wavelength excites phycocyanin; the emitted intensity gives the concentration.
- Housing: 316L stainless steel, corrosion resistant.
- Dual RS-485 and Wi-Fi interfaces; RS-485 runs standard Modbus.
- Reagent-free, no secondary pollution, for online monitoring.
- Standard-solution calibration allows on-site adjustment.
- Built-in wiper stops fouling; interval is adjustable.
- Measures and outputs water temperature simultaneously.
- IP68 rated, CNS 14165 tested for long-term submersion.



[Applications] Lakes, reservoirs, rivers, aquaculture, raw water.

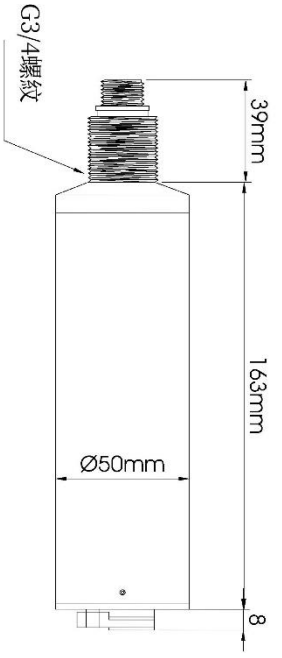
[Model Selection] BGA-Code 1-Code 2-W

Code 1	Sensor to Wi-Fi Box	Code 2	Wi-Fi Box to Host
10N	10 m + Bare Wire	3N	3 m + Bare Wire
		3C	3 m + Quick Conn.
10C	10 m + Quick Conn.	10N	10 m + Bare Wire
		10C	10 m + Quick Conn.
Value N	Length + Bare Wire	20N	20 m + Bare Wire
		20C	20 m + Quick Conn.
Value C	Length + Quick Conn.	Value N	Length + Bare Wire
		Value C	Length + Quick Conn.

[Specifications]

Principle	Fluorescence
Range	100~300,000 cells/mL
Temp. Range	0°C ~ 50°C
Accuracy	±3% F.S.
Temp. Acc.	±0.5°C
Max. Press.	0.2MPa
Calibration	Standard Solution
Interface	RS-485, Wi-Fi web
Power	9~36VDC
Weight	1.0 kg (with 10 m cable)
Dimensions	Ø50*210mm
Protection	IP68 (CNS 14165)
Housing	316L Stainless Steel

[Dimensions] Unit:mm



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