

- JP Patent No.4876123
- JP Patent No.6603135
- JP Patent No.4857281
- JP Patent No.7014652

your heavy maintenance burdens.

workload are no longer a pipedream.

Prolonged cleaning, calibration cycle and reduced on-site

^{*}The effect varies depending on the customer's usage environment. Effective against organic stains.

Specifications

product name	Gel-filled Self-Clea	ining pH Electrode	
Format	6122S (Immersion holder type/ Flow through type/ Drop-in holder type)	6122SA (Direct screw-in thread)	
Measurement range	0 – 14 pH ※1		
Temperature range	0 ~ 40 ℃ ※2		
Measuring Solution Pressure range	0 ~ 0.	1 MPa	
condition Electric conductivity range	500 μS/cn	n or more	
Electrode structure	GRT compos	ite electrode	
Liquid junction structure	Open	pore	
Reference electrode internal liquid	Water-insoluble polymer gel Pot	assium chloride supersaturated	
Wetted material	Glass	, TiO ₂	
Cable length	5 m / 10 m		
Terminal agreement	Square destination opening crimp termi	nals (4 mm) G, S, R, T, T, E, LED+, LED-	
Temperature compensation element	Pt 1000 0	Pt 1000 Ω (at 0 °C)	
Standard accessories	Instruction manual · Spacer Electrode packing · Holder cap	Instruction manualO-ring	
Adaptive transmitter	HP-200/ HP-300/ HP-480 series / HP-960FTP		
Relay box	CT-302		
Compatible holder/ adapter	CH-101 series (Immersion type) CF-251 series (Flow through type) NH-10 series (Drop-in) *3	Direct screw-in thread (S-R3/4-SUS-6122SA, S-NPT3/4-SUS-6122SA) **4 Protective tube for simple measurement (SUS) **5	

6122S and 6122SA electrodes are resistant against organic foulants. Inorganic foulants may no
be effective.

[·] Even an organic foulants may not be effective for clean water where algae is likely to grow, or for samples containing solid oils and fats. Also, fine particles of alumina or zirconia may scrape the photocatalyst, the antifouling may not be possible.

When using this electrode, a relay box with a constant current source (CT-302) and a relay cable

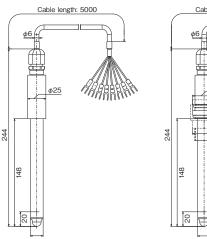
product name Model CT-302 Operating temperature range Operating humidity range Storage temperature Power consumption Structure Mass LED current output (switched by SW) External dimensions Compatible electrode Relativo humidity 5% to 90% (Do not freeze) -25°C to 65°C -25°C to 6			
Operating temperature range	product name	Relay box with constant-current souce	
Perating humidity range Storage temperature Storage temperature 100 V to 240 V AC±10% (50/60 Hz) Power consumption Structure Structure Mass Mass LED current output (switched by SW) External dimensions Relative humidity 5% to 90% (Do not freeze) -25°C to 65°C 8.0 VA (Max) 0utdoor installation type: IP65 %6 Mounting method: 50 A pole or wall mounting Case: Aluminum alloy Mounting bracket: SUS304 3.0 kg (Does not include U-bolt) External dimensions Relative humidity 5% to 90% (Do not freeze)	Model	CT-302	
Storage temperature	Operating temperature range	-20°C to 55°C (Do not freeze)	
Storage temperature	Operating humidity range	Relative humidity 5% to 90% (Do not freeze)	
Power consumption 8.0 VA (Max) Outdoor installation type: IP65 %6 Mounting method: 50 A pole or wall mounting Case: Aluminum alloy Mounting bracket: SUS304 Mass 3.0 kg (Does not include U-bolt) LED current output (switched by SW) 0 mA, 50 mA, 100 mA, 150 mA, 200 mA (Initial value: 100 mA) External dimensions 180 (W) ×234 (H) ×170 (D) mm (Does not include U-bolt)	Storage temperature	-25°C to 65°C	
Structure Structure Outdoor installation type: IP65 %6 Mounting method: 50 A pole or wall mounting Case: Aluminum alloy Mounting bracket: SUS304 Mass 3.0 kg (Does not include U-bolt) LED current output (switched by SW) 0 mA, 50 mA, 100 mA, 150 mA, 200 mA (Initial value: 100 mA) External dimensions 180 (W) ×234 (H) ×170 (D) mm (Does not include U-bolt)	Storage temperature	100 V to 240 V AC±10% (50/60 Hz)	
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Compatible electrode 6122 series	External dimensions	180 (W) ×234 (H) ×170 (D) mm (Does not include U-bolt)	
	Compatible electrode	6122 series	

- **1 Composite type pH electrode 6108 is recommended when a high accuracy is required for strong acid and strong alkaline aqueous solutions.
 **2 At sample temperatures above 30 °C, the electrode life will be shortened.
 **3 An adapter is required when using the 6122S as a drop-in type.
 **4 A direct screw-in thread adapter is required when using the 6122SA as a direct insertion type.
 **5 If a protective tube for simple measurement is attached, the electrode cannot be used

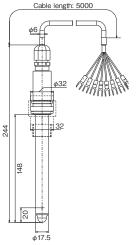
- as a direct screw-in type. %6 About protection class (IP rating)
- IP65: Dust-proof and waterproof protection from water jets only apply when all the cable glands are tightly screwed, and the cables/seal pins are tightened.

External Dimensions (unit: mm)

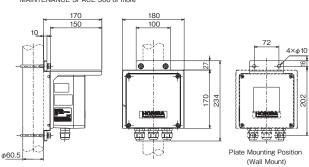
6122S



6122SA

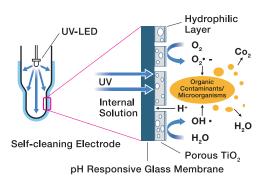


CT-302 MAINTENANCE SPACE 500 or more

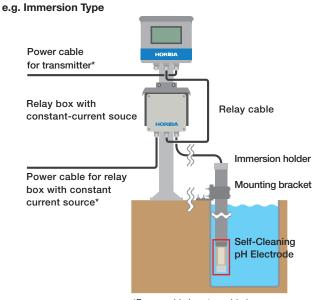


Self-cleaning Mechanism

The pH responsive glass membrane is coated with porous TiO2. By emitting UV light on the TiO2 from the inside of the electrode, the TiO₂ becomes activated, and decomposes organic contaminants adhered on the electrode.



Installation Image



*Power cable is not provided.



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Bulletin:HAE-R0366B

Printed in Japan 2210SK00

⁽C-5A) are required separately.